Illinois Environmental Protection Agency

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RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

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

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

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

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

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

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

☑ LPC-160 Forms

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

☑ Groundwater Data (without LPC-160 Forms)

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

☐ Well Construction Information

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

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

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

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

☐ Gas Monitoring Reports

☑ Other (identify)

2H25 WRR Semi-Annual Groundwater Monitoring Report and 3Q25 and 4Q24 Roxana Interim Groundwater Monitoring Program Report. Original copy submitted to Springfield. Electronic copies submitted separately directly to Dana Austin, Gary Ko, and Collinsville FOS (Ali Al-Janabi). LPC-160 forms will be submitted separately via email.

AECOM
100 N. Broadway, 20th Floor
St. Louis, MO 63102
aecom.com

February 26, 2026

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

Wood River Refinery (WRR) Semi-Annual Groundwater Monitoring Report – 2nd Half 2025
and Roxana Interim Groundwater Monitoring Program Report – 3rd and 4th Quarters 2025
WRB Refining LP Wood River Refinery
Roxana, Illinois
119115002 – Madison County
Equilon Enterprises LLC d/b/a Shell Oil Products US
Log No. B-43R; B-43R-CA-21

Dear Mr. Rhoades:

On behalf of Shell Oil Products US (Shell), AECOM Technical Services, Inc. (AECOM) is submitting the enclosed referenced reports and RCRA Facility Groundwater, Leachate and Gas Reporting Form for your review. The WRR report is required under Sections IV.J.7 and IV.J.14 of the RCRA Part B Permit. The Village of Roxana sampling and report is required by Condition 7 of the Agency's letter dated August 5, 2010.

Electronic copies of the referenced report are being submitted separately directly to Ms. Dana Austin, Mr. Gary Ko, and IEPA Collinsville FOS (Ali Al-Janabi) with Illinois Environmental Protection Agency (IEPA). The LPC-160 electronic data forms will be submitted separately via email.

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

Yours sincerely,

AECOM, on behalf of Shell Oil Products US

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enclosures: 2nd Half 2025 Report, WRR Semi-Annual Groundwater Monitoring Program and
3rd and 4th Quarters Report, Roxana Interim Groundwater Monitoring Program
RCRA Facility Groundwater, Leachate and Gas Reporting Form

cc:

Leroy (Buddy) Bealer, Shell
Megan Lipscomb, Phillips 66
Michelle Knapp, Atlantic Richfield Company
Tonya Lewis, Shell
Pierre Espejo, Shell
Dana Austin, IEPA, Springfield
Gary Ko, IEPA, Springfield
IEPA Collinsville FOS (Ali Al-Janabi), IEPA, Collinsville
Repositories - Roxana Public Library, website

AECOM

WRB Refining LP - Wood River Refinery Groundwater Monitoring Report

2nd Half 2025

And

Roxana Interim Groundwater Monitoring Program Report

3rd and 4th Quarters 2025

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

Project number: 60771235

February 2026

Delivering a better world

Quality information

Prepared by	Checked by	Verified by	Approved by
			
Mary Massa, PG Geologist	Adel Vermeulen Junior Environmental Scientist	Rudy Torrini, Jr. Ph.D. Project Manager IV	Wendy Pennington, PE Project Manager

Revision History

Revision	Revision date	Details	Authorized	Name	Position

Distribution List

# Hard Copies	PDF Required	Association / Company Name
1 – original	No	Mr. Joshua Rhoades IEPA, Springfield
None	Yes	Ms. Megan Lipscomb Phillips 66
None	Yes	Ms. Dana Austin IEPA, Springfield
None	Yes	Mr. Gary Ko IEPA, Springfield
None	Yes	IEPA Collinsville FOS (Ali Al-Janabi) IEPA, Collinsville
None	Yes	Ms. Michelle Knapp Atlantic Richfield Company
None	Yes	Ms. Tonya Lewis Shell
None	Yes	Mr. Pierre Espejo Shell
None	Yes	Roxana Public Library
None	Yes	Website

Prepared for:

Equilon Enterprises, LLC dba Shell Oil Products US

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1 Introduction and Regulatory Updates

AECOM Technical Services, Inc. (AECOM) is submitting this report on behalf of Equilon Enterprises, LLC d/b/a Shell Oil Products US (Shell) for the following in fulfillment of Conditions IV(I)(2) and V(D)(3)(iii) of Shell's Resource Conservation and Recovery Act (RCRA) Hazardous Waste Management Post-Closure Permit (Permit) [Log B-43R most recently modified and reissued August 20, 2025] and to meet the requirements of the Village of Roxana Interim Groundwater Monitoring Program.

- 2nd Half 2025 (2H25) groundwater monitoring well gauging and sampling activities conducted at the WRB Refining LP (WRB) Wood River Refinery (WRR) in Roxana, Illinois; and
- 3rd and 4th Quarters 2025 (3Q25 and 4Q25) groundwater monitoring well gauging and sampling conducted in the Village of Roxana, Illinois.

The locations of the sites are shown in **Figure 1**. Activities within the facility were conducted in cooperation with the current operator of the WRR, Phillips 66 (P66).

1.1 WRR Groundwater Monitoring Program

The Corrective Action Plan (CAP) for the Main and North properties of the WRR has been in place since the issuance of the Permit in November 1989 to mitigate potential impact on human health and the environment. The CAP includes continued pumping and treatment of groundwater from groundwater production wells to maintain an inward gradient. The CAP also requires the removal of the hydrocarbon layer on top of the water table, which is predominantly done via skimmer wells. A groundwater management zone (GMZ) for the facility has been in place since the reissuance of a modified Permit in August 2025, in order to encompass both on-site and off-site contamination being monitored by the preexisting WRR Groundwater Monitoring Program and Roxana Interim Groundwater Monitoring Program. The off-site portion of the GMZ is currently conditionally approved. The locations of groundwater monitoring, groundwater production, and skimmer wells at the facility, as well as the GMZ boundary, are shown in **Figure 2.**

Shell's current Permit at the WRR was issued by Illinois Environmental Protection Agency (IEPA) on September 23, 2010, was effective beginning October 28, 2010, and expired October 28, 2020 (Log B-43R) (IEPA, 2010b). The Permit was then modified and reissued on the following dates:

- April 2, 2013,
- June 13, 2014,
- November 25, 2014,
- July 29, 2015,
- December 20, 2019,
- March 28, 2022,
- October 31, 2022, and
- August 20, 2025 (reissuance of July 8, 2025 modification).

A Permit renewal application (Log No. B-43R2) was submitted to IEPA on April 29, 2020 in accordance with Condition VI(B)(6) of the Permit and a letter from IEPA dated November 6, 2019 (AECOM, 2020a) (IEPA, 2019a). On June 30, 2020, IEPA issued a Notice of Incompleteness (NOI) letter after conducting a completeness review of the Permit renewal application (IEPA, 2020a); AECOM submitted the Permit Application Completeness Response to IEPA on September 4, 2020 (AECOM, 2020b). IEPA issued a letter on October 30, 2020 indicating they have determined the application to be complete and that technical review would begin (IEPA, 2020b).

The bulleted list below summarizes Permit-related correspondence between AECOM, on behalf of Shell, and the IEPA during this semi-annual reporting period (July 2025 through December 2025); prior WRR related correspondence which has not yet been addressed by IEPA can be found in **Appendix A-1**.

- A letter from IEPA dated July 8, 2025, and reissued August 20, 2025 (M-32, -44, -53, and CA-93) provided conditional approval and comments related to several Permit Modifications requests and included a modified Permit (IEPA, 2025b). The approval of the proposed GMZ incorporated Roxana Interim Program groundwater monitoring wells MW-1, MW-3, MW-5, MW-6 A through D, MW-10, MW-11, MW-14, MW-16, MW-22, MW-26, MW-28, and ROST-3-MW into the GMZ boundary as off-site wells. The modified permit also approved the combining of the routine reports for the Roxana Interim Groundwater Monitoring Program with the WRR reports required in Section IV of the Permit.
- On August 22, 2025, AECOM, on behalf of Shell, submitted a revised Table C-6 Groundwater Sampling Parameters for the RCRA Post-Closure Permit Renewal Application.
- On October 17, 2025, AECOM, on behalf of Shell, submitted a Class 1* Permit Modification Request to update the concentration limits in Condition IV(D)(1) of the Permit based on the revised Groundwater Quality Standards (GQSs) released earlier in 2025.
- On November 4, 2025, AECOM, on behalf of Shell, submitted a Class 1* Permit Modification Request with a proposal for new onsite wells for LNAPL monitoring.
- On November 5, 2025, AECOM, on behalf of Shell, issued a notice of modified Permit to those on the Permit mailing list.
- On December 19, 2025, AECOM, on behalf of Shell issued a Class 1* Permit Modification Request to update the Annual Corrective Action Plan (CAP) Effectiveness Report due date in the Permit in conjunction with specific response to comments in the August 20, 2025, modified Permit issuance letter from IEPA.
- AECOM, on behalf of Shell, continues to submit weekly groundwater pumping and oil recovery well status information, provided by P66, to IEPA via email. Each week, these inspections are performed by P66, and information is provided to Shell and AECOM for submittal to the IEPA in accordance with the July 21, 2015 proposed Compliance Commitment Agreement (CCA).

1.2 Roxana Interim Groundwater Monitoring Program

The Village of Roxana Interim Groundwater Monitoring Program was established based on direction from Illinois Environmental Protection Agency (IEPA) dated August 5, 2010 (IEPA, 2010a). The study area within the Village of Roxana (Village) is generally bounded by the alley north of First Street, Illinois Route 111, the West Fenceline of the WRR, and the Roxana Former Public Works Yard (FPWY). Some groundwater monitoring wells within the WRR were also sampled as part of this event. **Figure 3** shows the groundwater monitoring wells that are part of the Village interim monitoring well network.

There was no Interim Groundwater Monitoring Program-related regulatory correspondence between AECOM, on behalf of Shell, and the IEPA during this reporting period (July 2025 through December 2025) except for the GMZ related correspondences discussed above; prior Village related regulatory correspondences can be found in **Appendix A-2**.

2 Investigative Procedures

Groundwater gauging was conducted in the 3rd Quarter 2025 (3Q25) and 4th Quarter 2025 (4Q25). Groundwater samples were collected and analyzed during 4Q25 to meet the requirements of the semi-annual CAP groundwater monitoring program, and during 3Q25 and 4Q25 to meet the requirements of the Interim Groundwater Monitoring Program. Groundwater samples and gauging data were collected using the most current AECOM standard operating procedures (SOPs) for the project, previously provided to the IEPA.

Shell has contracted AECOM to conduct the quarterly gauging and semi-annual sampling activities required by the Permit for hazardous waste management post-closure care at the WRR, and the quarterly gauging and sampling activities required by the Interim Groundwater Monitoring Program as outlined in the IEPA's letter dated August 5, 2010 (IEPA, 2010a) described in **Section 1**, and as modified based on other correspondence described in **Appendix A-2.** This section summarizes the field activities, sample handling and control, laboratory analysis, and data review conducted for these events.

2.1 Health & Safety

The quarterly gauging and sampling activities were performed in general accordance with the current project-specific Health and Safety Plan (HASP), dated January 17, 2025 (AECOM, 2025a).

2.2 Additional Activities or Modifications

The following additional work activities were conducted during 3Q25 and 4Q25.

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

2.3 Groundwater Monitoring Well Gauging and Sampling

2.3.1 Groundwater Monitoring Well Gauging

Monitoring wells located on portions of the refinery known as North Property, Main Property, West Property, and Riverfront Property, and monitoring wells located in the Village of Roxana, are gauged each quarter in accordance with Permit (Condition IV(D)(1)) and the Roxana Interim Groundwater Monitoring Program.

The 3Q25 and 4Q25 comprehensive quarterly groundwater monitoring well gauging events were conducted between July 1st and 3rd, 2025 and October 1st and 3rd, 2025, respectively. Gauging activities for WRR and the Roxana Interim Groundwater Monitoring Program were conducted to evaluate groundwater flow direction and assess the potential presence of LNAPL (Light Non-Aqueous Phase Liquid) in the refinery and Village. Depth to LNAPL (if present) and depth to water were noted in electronic format and on groundwater field gauging sheets. If LNAPL was encountered with the interface probe, it was confirmed either by visual observation of residue on the interface probe or checked with a clear bailer. Quarterly groundwater monitoring well gauging results can be found in **Table 1a**. Weekly groundwater monitoring well gauging results can be found in **Table 1b**. The groundwater gauging data table also includes well-head PID (photoionization detector) results.

2.3.2 WRR Semi-Annual Groundwater Purging and Sampling

Groundwater samples were collected from October 6th through 20th, 2025 from Main and North Property groundwater monitoring wells that are required to be sampled semi-annually in accordance with the Permit. Data are included in this report and discussed in **Section 3**.

Groundwater monitoring wells P-01, P-4U, P-6U, P-7U, P-8U, P-014, P-15, P-16, P-17, P-43, P-83A-D, P-84A-D, P-86A-D, P-93D, P-94, and T-1 on the North Property; and P-81A-D, P-82A-D, P-88A-D, and P-95 on the Main Property were purged and sampled using dedicated Well Wizards® and dedicated bonded polyethylene tubing.

Groundwater monitoring wells without dedicated pumps were sampled using a stainless-steel submersible pump and designated[1] polyethylene tubing. These groundwater monitoring wells included: P-56, P-59, P-60, P-85B-D, P-87B-D, P-93A-C, T-12, T-13, and T-41 on the North Property. Groundwater monitoring well P-55R also does not contain a dedicated pump but was not sampled due to the presence of LNAPL

Purging of each well continues until a minimum of three well volumes of water is removed or until the well purges dry, whichever occurs first. In 2H25, monitoring wells P-85B, P-87B, and P-87D were purged dry and sampled after sufficient recharge within 48 hours. Water quality parameters are then measured as required by the Permit and field parameters are recorded in electronic format and on groundwater sampling field data sheets.

For both dedicated and non-dedicated pumps, the sample stream was adjusted to a flow rate to minimize aeration and splashing during sample collection. The samples were placed into the appropriate bottles furnished by the laboratory, which contained preservatives when appropriate. Samples collected for dissolved metal analysis were filtered in the field using 0.45-micron in-line disposable filters.

Groundwater field parameter results (pH, temperature, conductivity, and turbidity) were recorded and can be found in **Table 2a**.

Groundwater monitoring wells P-56, P-59, P-93A-D, and T-12 are sampled as part of both the WRR and the Roxana Interim Groundwater Monitoring programs. For these wells, low-flow sampling methods, which are used in the Interim Groundwater Monitoring Program, are utilized.

Fifteen Roxana Interim Groundwater Monitoring Program wells, MW-1; MW-3; MW-5; MW-6A-D; MW-10; MW-11; MW-16; MW-24; MW-22; MW-26; MW-28; and ROST-3-MW, located in the Village and on Main Property, are included in the Permit as GMZ boundary wells. Per the Permit, these wells are sampled only for Interim Program analytes and using low-flow methods. Groundwater field parameter and sampling data for these wells are discussed within the Roxana Quarterly Groundwater sections of this report and indicated and included on **Table 2b and 3b,** respectively.

2.3.3 Roxana Quarterly Groundwater Purging and Sampling

Groundwater samples were collected from July 7th through 15th, 2025 for 3Q25 and between October 6th through 21st, 2025 for 4Q25 from Village, North, Main, and West Property groundwater monitoring wells that are required to be sampled quarterly in accordance with the Interim Groundwater Monitoring program. Data are included in this report and discussed in **Section 3**.

Groundwater monitoring wells MW-1 through MW-6A-D; MW-9 through MW-14; MW-16; MW-22 through MW-28; P-54; P-56 through P-59; P-74; P-93A, B, and C; P-114R; ROST-3-MW; ROST-4-PZ(C); ROST-4-PZ(E); ROST-4-PZ(G); and T-12 were purged and sampled using a stainless-steel submersible pump and designated[1] polyethylene tubing.

Groundwater monitoring well P-93D was purged and sampled using a dedicated stainless-steel QED Environmental Systems (QED) Well Wizard® groundwater sampling pump and dedicated bonded polyethylene tubing.

For both sampling methods pumping was performed at a low flow rate (≤ 300 mL/minute) to minimize drawdown of the water level within the groundwater monitoring well. During groundwater purging, water quality parameters (pH, temperature, specific conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP)) were measured and recorded after every flow-through cell volume. Once stabilization was achieved or a maximum purge

[1] Tubing is designated to a specific groundwater monitoring well and is placed in individual closed plastic bags for storage between sampling events; designated tubing used with Proactive™ Stainless Steel Monsoon pump technology is replaced annually prior to the first quarter sampling event.

time of two hours was reached, groundwater samples were collected for VOCs and semi-volatile organic compound (SVOC) analysis.

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

Groundwater monitoring well MW-7, located within the Roxana Former Public Works Yard was not sampled in 3Q25 or 4Q25 due to operation of the PWY steam enhanced extraction (SEE) System, as approved in the August 22, 2022 IEPA letter (IEPA, 2022b) in response to the PWY SEE Work Plan (AECOM, 2022a). Groundwater monitoring well MW-25, located on 8th Street in the Village, was not sampled due in 4Q25 to elevated groundwater temperatures measured in the well.

Groundwater sampling field parameters can be found in **Table 2b**, and low flow groundwater sampling data sheets for 3Q25 and 4Q25 are included in **Appendix B-1 and B-2,** respectively.

2.4 Decontamination and Investigation-Derived Waste

Decontamination

Field personnel and equipment underwent decontamination procedures in accordance with project SOPs to ensure the health and safety of those present, to maintain sample integrity, and to minimize cross contamination.

Dedicated and designated sampling equipment does not require decontamination. Dedicated equipment is left in place between sampling events and includes the Well Wizard® pumps and associated tubing. Reusable sampling equipment (e.g., groundwater pump) was decontaminated after each sample location.

Investigation-Derived Waste (IDW)

Decontamination fluid and purge water related to, or generated from, work within the WRR was collected and discharged, per a P66 discharge permit, to the WRR National Pollutant Discharge Elimination System (NPDES)-permitted Wastewater Treatment Plant (WWTP).

Purge water and decontamination fluid generated during groundwater sampling activities in the Village was collected, staged, and disposed in accordance with RCRA, Illinois and United States Department of Transportation (DOT) regulations. Decontamination fluid and purge water from groundwater monitoring wells MW-4, MW-7, and MW-25 are managed as hazardous waste based on prior characterization in conjunction with generator knowledge, and decontamination fluid and purge water from other groundwater monitoring wells in the Village are managed as non-hazardous waste based on prior characterization in conjunction with generator knowledge; both hazardous and non-hazardous waste were disposed at the Arcwood Environmental (formerly Heritage) facility in Indianapolis, Indiana.

Expendable materials (e.g., disposable sampling equipment such as gloves and tubing) were decontaminated, if necessary, collected in trash bags, and disposed as municipal waste.

2.5 Groundwater Sample Handling and Laboratory Testing

Groundwater samples were collected in pre-preserved laboratory-supplied containers and labeled in the field. Sample information was recorded on a chain of custody (COC) form at the time of collection. The sample identification data (ID) format is “[well ID]-[project name]-[date]”. COCs are included with the laboratory analytical reports in **Appendix C-1 through C-3**.

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

2.5.1 WRR Semi-Annual CAP Groundwater Monitoring Program

The following test methods were used for groundwater analysis during this scope of work for WRR program monitoring wells:

- VOCs (benzene, ethylbenzene, toluene, xylenes, and naphthalene, only) via USEPA Method 8260D;
- SVOCs (phenol, only) via USEPA Method 8270E Triple Quadrupole (QQQ);
- PAHs (2-methylnaphthalene, only) via USEPA Method 8270E Low-Level Triple Quadrupole (LL_QQQ); and
- Dissolved Metals[2] (arsenic, barium, cobalt, lead, nickel, and vanadium, only) via USEPA Method 6010D.

The reporting lists for these analyses are specified in Condition IV(F)(1) of the Permit. Concentration limits for these analyses are specified in Condition IV(E)(1) of the Permit. Groundwater quality standards provided in 35 I.A.C. 620, Subpart D were updated effective March 28, 2025. Analytical results collected before this date are compared against prior screening values applicable at time of sampling. Analytical results collected beginning in 2Q2025 are compared against the updated GQS effective March 28, 2025. A Class 1* Permit Modification to update the concentration limits in Condition IV(D)(1) of the Permit based on the revised 2025 GQSs was submitted on October 17, 2025. Reporting limits are based on laboratory method detection limit studies and are subject to change.

2.5.2 Roxana Quarterly Interim Groundwater Monitoring Program

The following test methods were used for groundwater analysis during this scope of work for Interim Program monitoring wells:

- VOCs via USEPA Method 8260D;
- 1,2-dibromoethane (EDB) and 1,2-dibromo-3-chloropropane via USEPA Method 8260D Selected Ion Monitoring (SIM);
- SVOCs via USEPA Method 8270E QQQ; and
- PAHs via USEPA Method 8270E LL_QQQ.

USEPA Method 8260D SIM was used for select VOCs (1,2-dibromoethane and 1,2-dibromo-3-chloropropane) in order to achieve lower reporting limits specified in the most recent version of the Permit. Per direction from IEPA, the Interim Groundwater Monitoring Program concentration limits need to be consistent with those in the Permit.

2.6 Data Quality Review and Data Management

Laboratory data were provided in electronic form and included data qualifiers on the basis of the laboratory's quality control or to indicate sample analysis information. Analytical data were independently reviewed and qualified by AECOM. One hundred percent of the data was subjected to a data quality review. Evaluation of the groundwater analytical data followed procedures outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2020 (USEPA, 2020a) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review 2020 (USEPA, 2020b). Data qualifiers were also added by AECOM, as appropriate, and are included on **Table 3a and 3b** and in the laboratory results in **Appendix C-1 through C-3**. The results of the data quality review are discussed in **Section 3.3**.

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

The electronic data submittals required by the Permit will be submitted separately from this report. Electronic data for off-site GMZ boundary wells will be submitted when IEPA ID numbers have been assigned to the wells.

[2] Dissolved metals are field-filtered using a new 0.45 micron in-line disposable filter at each monitoring well.

3 Investigative Results

Quarterly groundwater gauging and semi-annual sampling activities are required by the Permit at the WRR. Quarterly groundwater gauging and quarterly sampling activities are required by the Roxana Interim Groundwater Monitoring Program. This section summarizes the results of the two groundwater monitoring programs for 3Q25 and 4Q25. The results of 3Q25 activities were also summarized in the Interim Groundwater Monitoring Program – 3rd Quarter 2025 – Roxana, Illinois report (AECOM, 2025b).

3.1 Groundwater Monitoring Well Gauging Results

The 3Q25 and 4Q25 comprehensive quarterly groundwater monitoring well gauging events were conducted between July 1st and 3rd, 2025 and October 1st and 3rd, 2025, respectively. Data from these gauging events are included in **Table 1a**. The groundwater potentiometric maps for the 3Q25 and 4Q25 comprehensive gauging events, which show groundwater elevations and flow conditions, are presented in **Figures 4a, 4b, 5a, and 5b**, respectively. The potentiometric surface observed during 3Q25 and 4Q25 groundwater monitoring well gauging illustrates an inward gradient with groundwater flow toward the groundwater production wells in the interior of the WRR.

Groundwater levels rose approximately 0.4 foot in the central and eastern portions of the refinery during 2H25. Groundwater levels rose approximately 1.0 foot in the vicinity of the West Fenceline during 2H25. Groundwater levels were above the top of the screens in the majority of the monitoring wells gauged during the 3Q25 and 4Q25 events. Therefore, it is suspected that some of the LNAPL measurements are likely indicative of LNAPL trapped in the monitoring well casing. **Figures 6 and 7** illustrate the measured LNAPL thickness observed during the 3Q25 and 4Q25 gauging events, respectively. Measured LNAPL thickness and the number of locations where it was observed during the 2H25 quarterly gauging events was generally comparable to that observed in 1H25.

During 2H25, LNAPL was observed in groundwater monitoring wells P-55R, P-61, P-62, P-64, P-68, P-70, S-1, and T-24 located on WRR property at a thickness greater than 0.10 feet and was removed using bailers[3]. The recovered LNAPL was placed in a metal drum and will be recycled at the WRR.

Buckeye Pipeline Release

The Illinois Emergency Management Agency (IEMA) was notified on November 22, 2020, of a release of gasoline from a Buckeye Partners (Wood River Pipeline, LLC) pipeline located to the south of well P-58 along the WRR West Fenceline, and to the north of well P-66 on WRR Main Property. The release is associated with IEPA Violation Notice L-2021-00084, LPC #1190905036 – Madison County. Groundwater monitoring wells P-58 and P-66 have yielded some anomalous observations/detections since the reported release; LNAPL has been detected in P-66 beginning in 2nd Quarter 2022 (2Q22), having not previously been detected since 4th Quarter 2012 (4Q12). These wells will be gauged, and sampled in the absence of LNAPL, during the quarterly Roxana Interim Groundwater Monitoring program events. The approximate location of the Buckeye Pipeline release is indicated on **Figure 3.**

3.2 Groundwater Flow Rate, Direction, and Control

As required by Condition IV(I)(7) of the Permit, the groundwater flow rate and direction were determined using the quarterly gauging data and corresponding contours. The groundwater contours were used to calculate a gradient, which was then used in conjunction with Darcy's Law to calculate a flow velocity (0.137 ft/day for 3Q25, and 0.127 ft/day for 4Q25). These calculations are presented in **Table 5**. The groundwater flow direction can be observed on the potentiometric surface maps for 3Q25 and 4Q25 (**Figures 4a and 5a**, respectively). These maps illustrate overall groundwater capture by the WRR pumping centers, as required by the Permit.

3.3 Data Quality Review Results

Analytical results qualified by AECOM are specified in the data reviews presented in **Appendix C-1 through C-3.**

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

3.3.1 WRR Semi-Annual CAP Groundwater Monitoring Program

A total of 11 sample delivery groups (SDGs) were prepared and sent to EETA Southeast for the 2H25 event. Sixty-seven different groundwater sample sets were prepared and analyzed for VOCs, SVOCs (including PAHs), and dissolved metals. The 67 samples included 53 different investigative sample sets, six field duplicate sets, and three matrix spike/matrix spike duplicate (MS/MSD) sets. Results are included in **Table 3a** and in the SDGs presented in **Appendix C-1**.

Trip blanks (TBs), equipment blanks (EBs), and laboratory method blanks were analyzed to evaluate for the existence and magnitude of any contamination resulting from field and laboratory activities. Two EB sets were collected for 2H25, and a TB set was included in every cooler that contained samples for VOC analysis. A total of 11 TB sets were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

Based on laboratory control sample (LCS), MS/MSD, surrogate, holding time, and field duplicate criteria, the groundwater results reported for the analyses performed during this reporting period were accepted for their intended use.

3.3.2 Roxana Quarterly Interim Groundwater Monitoring Program

A total of 8 SDGs for the 3Q25 event and 15 SDGs for the 4Q25 event were prepared and sent to EETA Southeast. For the 3Q25 event, fifty different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). The 50 samples included 39 different investigative sample sets, five field duplicate sets, and three MS/MSD sets. For the 3Q25 event, forty-nine different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). The 49 samples included 38 different investigative sample sets, five field duplicate sets, and three MS/MSD sets. Additionally, monitoring wells MW-4 and MW-24 were resampled on December 10, 2025 (4Q25 event) due to anomalous results from the initial samples. Resample results for MW-24 were comparable with historical results; original results and resample results are included in SDGs 400-283945-R1, 400-284491-1 and 400-287334-1 respectively. Results are included in **Table 3b** and in the SDGs for 3Q25 and 4Q25 presented in **Appendix C-2 and C-3,** respectively.

Five different EB sets were collected for 3Q25, and six different EB sets collected for 4Q25. A total of 13 TB sets for 3Q25, and 15 TB sets for 4Q25 were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

Based on LCS, MS/MSD, surrogate, holding time, and field duplicate criteria, the groundwater analytical results reported were accepted for their intended use.

3.4 Groundwater Analytical Results

3.4.1 WRR Semi-Annual CAP Groundwater Monitoring Program

The laboratory analytical results for the groundwater samples collected during the 2H25 event are presented in **Table 3a**. Analytical detections were compared to the concentration limits as provided in Condition IV(E) of the Permit. These concentration limits include, but are not limited to, the GQSs for Class I: Potable Resource Groundwater (35 IAC 620, Subpart D, Section 410) (Part 620); the IEPA Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route (35 IAC 742 Appendix B, Table E); and the IEPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables). Where multiple screening values for a given analyte were present in the above sources, screening values from Part 620 were used preferentially over the screening values found in TACO and analytes not in TACO sources. All three sources are checked on a quarterly basis to ensure the most current published screening values are being used. The references listed here do not provide screening values for dissolved metals. The results of this screening comparison are presented in **Table 3a**.

Samples from 7 groundwater monitoring wells in the WRR groundwater monitoring program located on the North Property exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

- Benzene
- 2-Methylnaphthalene
- Phenol

For specific locations of the monitoring wells where these exceedances occurred, refer to **Figure 10**. At monitoring wells P-93A and P-93B, Phenol was detected in the method blank, indicating possible lab contamination. Phenol results at these wells were at concentrations greater than five times the associated blank concentration. At monitoring well P-87C, benzene exceeded screening criteria, but at an estimated concentration. These findings are generally consistent with the results from previous sampling events. Updated GQSs for Class I: Potable Resource Groundwater Part 620 effective March 28, 2025, have resulted in exceedances at wells and for metals that have not previously exceeded screening criteria, primarily cobalt, nickel, and vanadium. In comparison with 1H24 sampling, under the prior GQSs, where samples from a total of 14 groundwater monitoring wells in the WRR groundwater monitoring program exhibited exceedances of the groundwater screening criteria for one or more constituents, a total of 28 groundwater monitoring wells exhibited exceedances in 1H25 under the updated GQSs.

Figure 17 presents a west to east cross-section of the Main Property of the WRR with a vertical distribution of the benzene analytical results in groundwater superimposed. **Figure 18** presents a north to south cross-section of the Main Property of the WRR with a vertical distribution of the benzene analytical results in groundwater superimposed.

As required by 35 Ill. Adm. Code 742.805(c), 620.615, and 742.805(d), where Part 742 applies, and Condition IV(D)(1)(a) of the Permit, in addition to meeting the individual Class I groundwater standards, as applicable, equations of mixtures for similar acting non-carcinogenic and carcinogenic substances for 2H25 sampling are calculated and included in **Tables 4a and 4b,** respectively**.**

3.4.2 Roxana Quarterly Interim Groundwater Monitoring Program

The laboratory analytical results for the groundwater samples collected during the 3Q25 and 4Q25 events are presented in **Table 3b**. Analytical detections were compared to the concentration limits as provided in Condition IV(E)(1) of the Permit for the WRB Wood River Refinery[4]. These concentration limits include the GQSs for Class I: Potable Resource Groundwater (35 IAC 620, Subpart D, Section 410) (Part 620) (IEPA, 2012c), the IEPA TACO Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route (35 IAC 742, Appendix B, Table E) (IEPA, 2007), and the IEPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables) (IEPA, 2023). Where multiple screening values for a given analyte were present in the above sources, screening values from Part 620 were used preferentially over the screening values found in TACO and chemicals not in TACO sources. All three sources are checked on a quarterly basis to ensure the most current published screening values are being used. The results of this screening comparison are presented in **Table 3b**.

In 3Q25, samples from 13 groundwater monitoring wells in the Interim Groundwater Monitoring Program (four in the Village, nine in the WRR along the West Fenceline) exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

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

In 4Q25, samples from 11 groundwater monitoring wells in the Interim Groundwater Monitoring Program (three in the Village, eight in the WRR along the West Fenceline) exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

- Benzene
- 1,2,4-Trimethylbenzene
- 3 & 4-Methylphenol
- Chloroform
- 2-Methylnaphthalene
- Phenol

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

Figures 8 and 9 present concentrations of analytes that exceeded the indicated screening criteria for 3Q25 and 4Q25, respectively. In 4Q25, at monitoring wells P-93A and P-93B, Phenol was detected in the method blank, indicating possible lab contamination. Phenol results at these wells were at concentrations greater than five times the associated blank concentration. In 4Q25, at monitoring well MW-4, chloroform exceeded screening criteria, but at an estimated concentration. These findings are generally consistent with the results from previous sampling events, with the exception of benzene and phenol in MW-4 and MW-25, discussed in further detail below.

Figures 11 and 12 present a plan view depiction of benzene analytical results in groundwater across the site for 3Q25 and 4Q25, respectively. **Figures 13 and 14** presents a cross-section along Chaffer Avenue with a vertical distribution of the benzene concentrations in groundwater superimposed for 3Q25 and 4Q25, respectively. **Figures 15 and 16** presents a cross-section across the Roxana Former Public Works Yard with a vertical distribution of the benzene analytical results in groundwater superimposed for 3Q25 and 4Q25, respectively.

Appendix D-1 contains benzene concentration trend plots for selected monitoring wells[5] to represent groundwater conditions in the 4th Street area and Former Public Works Yard area, respectively:

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

Beginning in 2Q21, a Mann-Kendall analysis of the analytical benzene results from the seven sampled groundwater wells in the 4th Street and Former Public Works Yard areas was conducted. The Mann-Kendall analysis was performed using GWSDAT (GroundWater Spatio-Temporal Data Analysis Tool). As of 4Q25, statistically significant downward trends were displayed for six wells, zero wells displayed statistically significant increasing trends, and one well displayed a trend that is not statistically significant[6]. Results from the Mann-Kendall analysis conducted via GWSDAT are presented in **Appendix D-2**.

Monitoring Wells MW-4 and MW-25

The benzene and phenol concentrations in MW-25 during 3Q25 continued to be outside the historical range for monitoring well MW-25, as first observed during 1Q25. Benzene and phenol results were confirmed by the lab and in a duplicate sample. During 4Q25, MW-25 was unable to be sampled due to the elevated groundwater temperatures within the well. Steam injection at the FPWY associated with the SEE system first began in July 2024. The 1Q25 sampling event was performed approximately three months after operation of the SEE system was temporarily paused for repairs and winterization (10/21/2024). The 2Q25 sampling event was performed approximately 3 weeks after operation of the extraction portion of the SEE system restarted (end of March 2025). The 3Q25 sampling event was performed approximately 4 months after the extraction portion and 3 months after the steam injection portion of the SEE system restarted (end of March 2025 and early May 2025 respectively). The steam injection portion of the SEE system did not run continuously during June and July 2025.

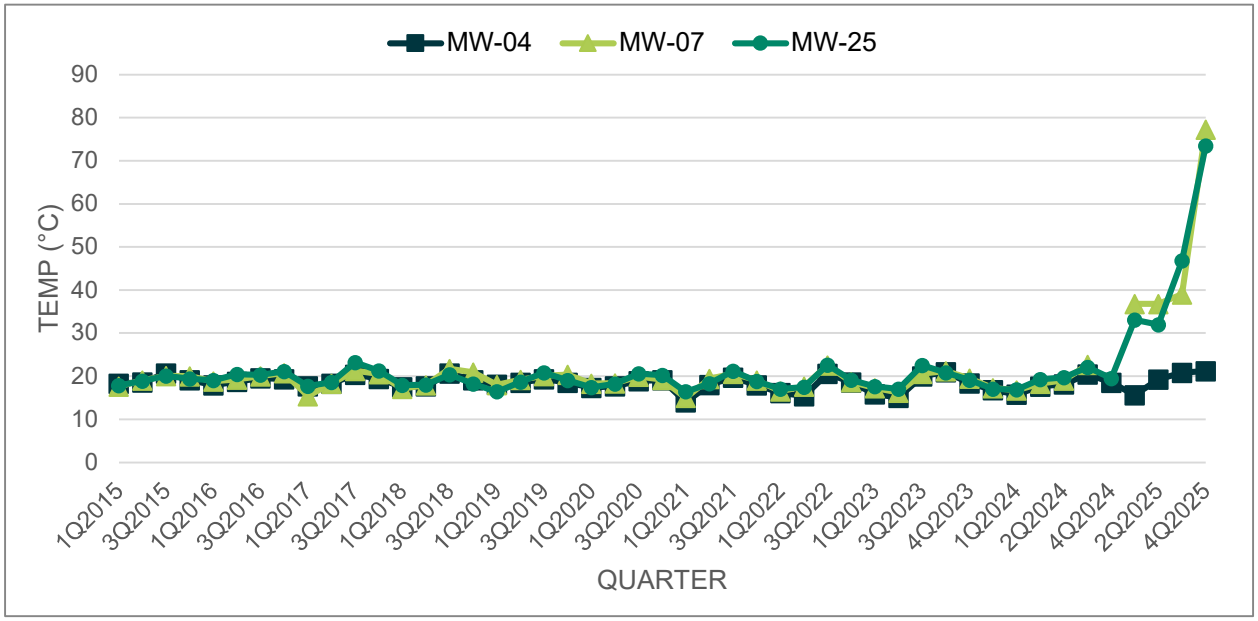
Temperature readings from MW-25 since the 1Q25 sampling event have been elevated. During 4Q25, MW-25 was unable to be sampled due to the elevated groundwater temperatures within the well. Groundwater flow direction in the vicinity of the former PWY during continues to be to the north-northeast, towards the WRR (**Figures 4a, 4b, 5a, and 5b**). This information indicates that, in the absence of SEE system operation, groundwater at the former PWY continues to be captured by the existing WRR groundwater production system. The groundwater monitoring wells surrounding MW-25 (MW-5, MW-3, and MW-4) did not indicate elevated analytical results nor elevated temperature readings in 1Q25 and 2Q25.

In 3Q25, benzene and phenol concentrations observed in MW-4 were outside of the recent range for the monitoring well, but within the overall historical range for MW-4. In 4Q25, benzene concentrations observed in MW-4 were outside of the historical range for the monitoring well. Benzene results were confirmed by the lab and in both a duplicate sample and confirmation sample. Temperature readings from MW-4 have not been elevated. Well MW-7, which is located within the footprint of the SEE system, indicated elevated temperature readings, but the elevated benzene analytical results at this location were comparable to historic results at this location. Due to operation of the

[5] In a meeting with IEPA on April 5, 2018, the AECOM presentation included benzene concentration trend plots pertinent to GMZ discussion. IEPA verbally requested that benzene concentration trend plots for selected monitoring wells be incorporated into Roxana Program quarterly reports.
[6] Results are significant if p value is equal to or below 0.05.

SEE system, MW-7 was not sampled during 3Q25 or 4Q25. The chart below presents groundwater temperatures at wells MW-4, MW-7, and MW-25. Neither the soil vapor monitoring points (SVPs) along 8th Street nor the vapor monitoring probes (VMPs) in the vicinity of MW-4 or MW-25 indicate elevated analytical results or signs of vapor migration. More information related to SEE system operations is included in the monthly SEE progress reports. More information related to VMP sampling is included in the quarterly Soil Vapor reports.

MW-4, MW-7, and MW-25 will be sampled during the 1st and 2nd quarter 2026 (1Q26 and 2Q26) Roxana Interim Groundwater Monitoring Program events if the groundwater temperatures in these wells is below about 50°C.



3.5 Indoor Inhalation Exposure Evaluation Results

Per Condition IV(E)(2)(d) of the Permit, evaluation of indoor inhalation exposure routes was performed for monitoring wells located at the property boundary and at off-site locations with results exceeding 35 Ill. Adm. Code Part 620 and Part 742 Appendix B Table H screening values.

Thirteen groundwater monitoring wells, located along the West Fenceline or off-site of the facility, exhibited exceedances for one or more Class 1 Groundwater screening values during the reporting period, as depicted in **Figures 8, 9, and 10**:

- **MW-4**
- **MW-22**
- **MW-25**
- P-56
- P-57
- **P-58**
- **P-59**
- **P-60**
- **P-93A**
- **P-93B**
- **P-93C**
- ROST-4-PZ(G)
- **T-12**

The locations of monitoring wells, VMPs, and buildings along the West Fenceline and within the Village are shown on **Figure 19.**

Class I Groundwater exceedances from the above monitoring wells were compared to Part 742 Appendix B Table H screening values. 1,2,4-Trimethylbenzene and 3&4-Methylphenol do not have screening values provided in Table H. Results of this comparison are presented in **Appendix E.** Based on these results, 10 of the 13 monitoring wells above displayed exceedances of Table H screening values for one or more of six analytes (Benzene, Chloroform,

Ethylbenzene, Naphthalene, 2-Methylnaphthalene, and Phenol) and were evaluated further – these 10 wells are in **bold** in the list above.

Groundwater elevations (see **Table 1a**) and nearby VMP analytical results (see **Appendix E**) from this reporting period were used to determine whether indoor inhalation exposure routes were incomplete or complete. Cross sections along Chaffer Ave depicting benzene results from VMPs and groundwater elevation results for 3Q25 and 4Q25 are additionally included in **Appendix E**. The results of 3Q25 and 4Q25 soil vapor sampling activities are discussed in detail in the following reports:

- 3rd Quarter 2025 – Soil Vapor Sampling and SVE Monitoring Report, Roxana, IL (AECOM, 2025c)
- 4th Quarter 2025 – Soil Vapor Sampling and SVE Monitoring Report, Roxana, IL (AECOM, 2026)

Building construction information was sourced from the Madison County Illinois GIS viewer[7] and field observations. USEPA technical guidance on petroleum vapor intrusion was also referenced (USEPA, 2013). The USEPA guidance states that a vertical separation distance of at least 6 ft from dissolved vapor sources, measured from the top of the water table to the lowest point of an overlying building, is generally considered sufficient to protect against vapor intrusion and preclude further investigation. For monitoring wells with free-phase or residual LNAPL, a vertical separation distance of 15 ft is recommended. Other studies and publications support the mitigation of vapor intrusion risk based on vertical separation distance from potential vapor source (USEPA, 2013; Lahvis, 2013; Eklund et al, 2024). Guidance for lateral separation distances vary between 30 ft and 100 ft (Eklund et al, 2024). For the purposes of this evaluation, buildings and residences within approximately 100 ft of monitoring wells exhibiting exceedances of Table H screening values were considered. For buildings with a basement, the lowest point of the building was assumed to be 10 ft bgs; for buildings with a crawlspace it was assumed to be 5 ft bgs; for buildings with a slab on grade foundation it was assumed to be 2 ft bgs.

Results of the evaluation indicate that indoor inhalation exposure routes in the vicinity of each of the evaluated monitoring wells are incomplete. LNAPL was not detected in any of the 10 evaluated monitoring wells during this reporting period, nor in any wells within 100 ft of the 10 evaluated wells. It is assumed that the potential vapor source at the evaluated wells for this reporting period is dissolved phase. Groundwater depths in these monitoring wells generally have a vertical separation of 30 ft or more from the lowest point of nearby overlying buildings, which is over 4x the sufficient vertical separation distance for dissolved phase vapor sources (6 ft) provided by the USEPA technical guidance (USEPA, 2015). Further, if LNAPL had been detected within the evaluated areas, the vertical separation of groundwater is 2x or more than the USEPA recommended distance for LNAPL (15 ft). Lastly, the results of quarterly sampling at nearby VMPs during this reporting period were non-detect or below screening criteria for the six analytes that were evaluated.

The following is a summary of the indoor inhalation exposure route evaluation findings for each evaluated monitoring well:

MW-4: Nearby buildings within 100 ft include 134 and 136 E Eighth St, and 135 and 139 E Seventh St. These buildings are single family residences. The residences on Eighth St are split level construction. The residences on Seventh St are constructed on slab. Groundwater levels in this well were approximately 40 to 41 feet below ground surface (ft bgs), which is 30 ft or more of vertical separation from the lowest point of nearby overlying buildings, depending on foundation type. Quarterly sampling results from adjacent VMP-8 were non-detect or below screening criteria for the analytes of concern.

MW-22: Nearby buildings within 100 ft include 125, 126, 129, 131, 132, and 136 E Fourth St. These buildings are single family residences with crawl space, basement, mixed crawl space and slab construction, and unknown constructions, respectively. Groundwater levels in this well were approximately 42 to 43 ft bgs, which is 32 ft or more of vertical separation from the lowest point of nearby overlying buildings, depending on foundation type. Quarterly sampling results from VMP-32 located on Fourth St were non-detect for the analytes of concern.

[7] https://gis.co.madison.il.us/webappspublic/madison%20county%20gis%20viewer/index.html

MW-25: Nearby buildings within 100 ft include 132 E Eighth St, a single family residence with a finished basement, and 134 and 136 E Eighth St, described above. Groundwater levels in this well were approximately 37 to 38 ft bgs, which is 27 ft or more of vertical separation from the lowest point of nearby overlying buildings, depending on foundation type. Quarterly sampling results from VMP-10, located south of MW-25, and VMP-18, located east on Eighth St, were non-detect for the analytes of concern.

P-58: The nearest building is 149 E Eighth St, located within the FPWY approximately 110 ft away. Although it is more than 100 ft from P-58, the evaluation was performed for informational purposes. This building is a former municipal building and storage warehouse constructed on slab. Groundwater levels in this well were approximately 42 to 43 ft bgs, which is 32 ft or more of vertical separation from the nearby overlying building. Quarterly sampling results from VMP-12, located north of P-58, were non-detect or below screening criteria for the analytes of concern.

P-59: Nearby buildings within 100 ft include 148, 149, and 150 E Fifth St. These buildings are single family residences with crawl spaces. Groundwater levels in this well were approximately 44 to 45 ft bgs, which is 34 ft or more of vertical separation from the nearby overlying buildings. Quarterly sampling results from VMPs-4 and -5, located in the alleyways north and south, respectively, of the lots, were non-detect or below screening criteria for the analytes of concern.

P-60: Nearby buildings within 100 ft include 143 E Third St, which is a multi-unit residence with a walk-out basement. Groundwater levels in this well were approximately 42 to 44 ft bgs, which is 32 ft or more of vertical separation from the nearby overlying building. Quarterly sampling results from VMPs -3 and -42 located at the southeast and northeast corners of the lots, respectively, were non-detect or below screening criteria for the analytes of concern. Additionally, monitoring well ROST-4-PZ(E) located on Chaffer St between P-60 and 143 E Third St exhibited no detections or exceedances when sampled in 3Q25 and 4Q25 as part of the Roxana Interim Groundwater Monitoring program.

P-93 A/B/C: The nearest building is 148 E Eighth St, which is a single family residence with split level construction, located approximately 110 ft away. Although it is more than 100 ft from P-93 A/B/C, the evaluation was performed for informational purposes. Groundwater levels in these wells were approximately 43 to 44 ft bgs, which is 33 ft or more of vertical separation from the nearby overlying building. Quarterly sampling results from VMP-9, located on the northeast corner of the lot, and VMP-19, located in front of the house on Eighth St, were non-detect or below screening criteria for the analytes of concern.

T-12: Nearby buildings within 100 ft include 150 E Fourth St, which is an unoccupied garage constructed on slab and owned by Shell. Groundwater levels in this well were approximately 43 to 44 ft bgs, which is 33 ft or more of vertical separation from the nearby overlying building. Quarterly sampling results from VMP-43 located at the southeast corner of the lot were non-detect or below screening criteria for the analytes of concern.

Quarterly soil vapor analytical results for above-mentioned VMPs for this reporting period for the analytes of concern are included in **Appendix E.**

4 Groundwater Production Wells System

P66's crude oil refining process requires water for steam production, fire protection, and cooling. A portion of this necessary water is supplied by groundwater production wells on the North and Main Properties.

Condition IV(A)(1) of the Permit requires "…control of horizontal and vertical groundwater flow in the uppermost aquifer such that the groundwater flow is towards the interior of the facility along the combined boundaries of North and Main Properties." This control is provided by 17 available groundwater production wells located on Main and North properties (**Figure 2**), as listed below:

- Ten wells (Well W-39, -68, -69, -70, -72, -86, -87, -88, -90, and -91) are located primarily between 7th and 11th Streets on North Property and are referred to as the "interior wells" for the purposes of this report.
- Seven wells (Well W-77, -78, -79, -80, -81, -89, and -92) are located near the West Fenceline of Main and North properties and are referred to as the "West Fenceline wells" for the purposes of this report.

Many of these groundwater production wells operate continuously or are available, if needed. These groundwater production wells range in depth from approximately 100 feet to 140 feet. P66 operates these wells with a combined minimum daily average groundwater pumping rate of 3,000 gallons per minute (gpm), which became effective after an August 2011 Permit modification, and was incorporated into the April 2, 2013 revised Permit (Condition IV(F)(2)(a)). The groundwater pumping rate fluctuates above the minimum required pumping rate based on P66's cooling water demand and their need for process water at any given time. Due to variable pumping needs and periodic maintenance, not all wells operate continuously but they are maintained to be operational and available as needed. The water withdrawn from the aquifer is initially treated in the parallel activated sludge biotreater units prior to use as cooling water, then ultimately treated through the facility's NPDES-permitted WWTP.

The locations of the groundwater production wells are shown on **Figure 2**. The daily pumping rates and monthly average withdrawal rates from July 2025 through December 2025 of the groundwater production wells at the WRR (Main and North Properties) are shown in **Table 6**. Water production system pumping rates on a monthly average since July 2025 have ranged from approximately 3,190 gpm to 3,409 gpm.

The site hydraulic gradient created by continued groundwater pumping from the water production wells contributes to a cone of depression, which prevents off-site contaminant migration. This cone of depression is monitored by quarterly groundwater level measurements collected in monitoring wells on the WRR property, along with wells located within the Village. **Figures 2 and 3** show the wells that were gauged quarterly during this reporting period. Groundwater elevations are subsequently depicted on potentiometric surface contour maps. **Figures 4a, 4b, 5a,** and **5b** show the combined Roxana and WRR potentiometric surface contours during this reporting period. These maps are developed on a quarterly basis and submitted to the IEPA on a semi-annual basis.

Samples are collected from operating groundwater production wells on a quarterly basis using a sample spigot with valve on the effluent pipe for each water production well operating at the time of sampling. Samples were collected and analyzed for VOCs via USEPA Method 8260D on August 27th, 2025 for 3Q25 and on December 10th and 11th, 2025 for 4Q25. The laboratory analytical results for the groundwater samples collected during the 3Q25 and 4Q25 events are presented in **Table 8** in fulfillment of Condition IV(E)(2)(c) of the Permit. Data qualifiers were also added by AECOM, as appropriate, and are included on **Table 8** and specified in the data reviews presented in **Appendix F-1** and **F-2**

Information on the construction of the groundwater production wells is provided in **Table 9**. The current status[8] of the above production wells is also presented on **Table 9**.

Shell (as the permittee) continues to work with P66 to monitor the performance of the entire groundwater system and is kept apprised of wellhead and valve repairs, well screen cleanings, pump/motor replacement, etc.

[8] Pumping and operational status is based on information obtained from P66 on a weekly basis. This includes well information (e.g., casing integrity, etc.) and ancillary equipment (e.g., pumps, discharge lines, headers, etc.).

5 Oil Recovery Wells System

Condition IV(A)(4) of the of the Permit requires "…removal of a hydrocarbon layer present on top of the water table beneath portions of the North and Main Properties…." The cone of depression created by the pumping centers causes LNAPL to migrate toward and accumulate at or near the water production wells. As a result, 16 recovery wells (R-39, -40, -42, -64, -67, -69, -73A, -73B, -75, -76, -77, -78, -79, -80, -81, and -89) have been installed adjacent to the correspondingly numbered groundwater production wells. These recovery wells are equipped with submersible pumps to remove LNAPL, where present, from the uppermost aquifer (**Figure 2**). The recovery pumps are total fluid pumps which remove the fluid present, whether it is LNAPL or water.

Water and/or LNAPL are pumped as combined fluids from the recovery wells via Grundfos Redi-Flo4™ Model 5E8 stainless steel electric submersible pumps that operate continuously, pumping the liquid(s) present at the pump intake. According to P66, pumping rates for these pumps range from 8 to 10 gpm. Recovered fluids are transferred through aboveground, heat-traced, and insulated piping into Tank F-67 where the water and LNAPL are gravity separated. The separated water is pumped into the benzene National Emission Standards for Hazardous Air Pollutants (NESHAP) header for treatment in the NPDES permitted WWTP. The recovered oil in F-67 is periodically pumped to one of the distilling units to be processed. Normal maintenance activities such as routine screen cleanings, pump repairs/replacements, electrical repairs/replacements, etc. were conducted on the oil recovery wells as needed. The following table summarizes the approximate annual amount of LNAPL recovered by the oil recovery system in 2005 through the second half of 2025 (as provided by P66); approximation based on height of oil in tank F-67 where one foot of oil equals 322 barrels.

Year	LNAPL Volume (barrels [BBL])
2005	11,464
2006	15,644
2007	16,577
2008	5,922
2009	2,239
2010	0
2011	0
2012	2,242
2013	3,923
2014	3,656
2015	6,818
2016	8,089
2017	1,230
2018	3,272
2019	1,771
2020	1,288
2021	0
2022	725
2023	1,160
2024	1,900
2025	827

In addition to the oil recovery system, LNAPL is manually removed during routine groundwater gauging events at monitoring wells where LNAPL was measured in sufficient quantities (typically greater than 0.10 feet thick) [9]. Field crews use dedicated or disposable bailers to manually remove LNAPL from these groundwater monitoring wells.

LNAPL thickness greater than 0.10 feet was observed in eight groundwater monitoring wells, P-55R, P-61, P-62, P-64, P-68, P-70, S-1, and T-24 during 2H25. The volume of LNAPL manually removed during 2H25 was 1.5 gallons. The manually recovered LNAPL was placed in a metal drum to be recycled at the refinery. **Table 7** lists LNAPL removal volumes by manual methods and by WRR oil recovery wells.

The measurable thickness of LNAPL present in monitoring wells during quarterly gauging events is presented in **Table 1a**. **Figures 6** and **7** illustrate the measured LNAPL thickness observed in monitoring wells during the 3Q25 and 4Q25 comprehensive gauging events, respectively. Groundwater levels within the cone of depression ranged from elevations of 398.3 to 404.0 feet (North American Vertical Datum [NAVD] 88) during the reporting period (see **Figures 4a**, **4b**, **5a**, and **5b**). The tops of the oil recovery well screens are at elevations of approximately 402 to 407 feet (NAVD 88). This demonstrates that the observed LNAPL was within the influence of the cone of depression and the oil recovery system during 3Q25 and 4Q25.

As of the December 24, 2025 P66 skimmer well status report, 14 of the 16 oil recovery wells were operating[10].

Shell (as the permittee) continues to work with P66 to monitor performance of the entire oil recovery system and is kept apprised of wellhead and piping repairs, electrical issues, pump/motor replacement, etc.

[9] LNAPL > 0.10 feet is a project specific criterion for removal, based on practicality with the removal technique.
[10] Pumping and operational status is based on information obtained from P66 on a weekly basis. This includes well information (e.g., casing integrity, etc.) and ancillary equipment (e.g., pumps, discharge lines, headers, etc.).

6 CAP Effectiveness Evaluation

Effectiveness of the CAP at the facility is evaluated on an annual basis in fulfillment of Condition IV(I)(14) of the Permit. Per Conditions IV(I)(14)(b) and (14)(c) of the Permit, an evaluation of "the effectiveness of the hydraulic control and contaminant removal…" and "discussion of any change in quality of groundwater beneath the facility which has resulted from the corrective action" will be addressed, in addition to statistical evaluations as required by Subsection IV(H) and Condition IV(I)(6). This will be included in the next Annual CAP Effectiveness report due August 1, 2026, submitted in combination with the 1H26 WRR and Roxana Groundwater Monitoring reports.

7 Summary and Conclusions

- Groundwater levels rose approximately 0.4 ft in the central and eastern portions of the refinery during 2H25. Groundwater levels rose approximately 1.0 ft in the vicinity of the West Fenceline during 2H25. Groundwater level data indicate groundwater flow from the Village is moving toward groundwater production wells at the WRR.
- Measured LNAPL thickness and the number of locations where it was observed during the 3Q25 and 4Q25 quarterly gauging events was generally comparable to that observed in 1H25.
    - LNAPL has been detected in P-66 since 2Q22, LNAPL was previously last detected in P-66 during 4Q12. WRB/P66 notified IEMA on November 22, 2020, of a release of gasoline from a Buckeye Partners (Wood River Pipeline, LLC) pipeline located to the south of well P-58 along the WRR West Fenceline, and to the north of well P-66 on WRR Main Property. Wells P-58 and P-66 will be gauged and sampled in the absence of LNAPL during the 1Q26 and 2Q26 Roxana Interim Groundwater Monitoring program.

7.1 WRR Semi-Annual CAP Groundwater Monitoring Program

AECOM conducted groundwater monitoring as required by the facility's RCRA Permit for the 2H25 reporting period. The following conclusions are based on the data and information collected as part of this program.

- Overall groundwater capture by the WRR groundwater pumping centers has been maintained throughout the 2H25 reporting period, with a flow velocity of 0.137 ft/day for 3Q25, and 0.127 ft/day for 4Q25.
- Removal of LNAPL by the oil recovery system and manual methods continues, as necessary.
    - During 2H25, the total LNAPL removed from oil recovery and water production wells was approximately 827 barrels (37,734 gallons).
- Groundwater analytical results were generally consistent with the results of prior sampling events.
- Many groundwater monitoring wells in the current WRR program are located along the facility perimeter and have historically been non-detect or below screening values. Wells with a history of benzene detections continue to show overall decreasing trends in benzene concentrations.
    - The revised 2025 GQSs for Class I: Potable Resource Groundwater Part 620 have resulted in some metals exceedances that have not previously exceeded screening criteria, primarily cobalt, nickel, and vanadium.
- The current GMZ present at the facility was established in August 2025. The off-site portion of the GMZ is currently conditionally approved. As specified in 35 Ill. Adm. Code Part 620.450(a)(4)(B), and required by Condition IV(E)(2)(e)(i) of the Permit, a review of the on-going adequacy of the controls and continued management of the GMZ at the site will occur no less than every five years after the establishment of the GMZ. The next re-evaluation report for the GMZ present at the facility will occur in 2030.

Quarterly gauging and semi-annual sampling and reporting will continue as required by the Permit.

7.2 Roxana Quarterly Interim Groundwater Monitoring Program

AECOM conducted the Interim Groundwater Monitoring Program for 3Q25 and 4Q25, and the following conclusions are based on the data and information collected as part of this program.

- The analytical results from 3Q25 and 4Q25 are generally consistent with the results from previous sampling event, with the exception of:
    - Benzene and phenol continue to be outside of historical range in MW-25 during 3Q25, as first observed in 1Q25. MW-25 was not sampled in 4Q25. Benzene and phenol results observed in MW-4 during 3Q25 and 4Q25 were outside of the recent and historical range for the monitoring well,

respectively. Groundwater flow direction in the vicinity of the former PWY during 3Q25 and 4Q25 is to the north-northeast, towards the WRR (**Figures 4b and 5b**). This information indicates that groundwater at the former PWY continues to be captured by the existing WRR groundwater production system.

- Benzene concentration plots presented in **Appendix D-1** continue to show stable or decreasing trends.
- GWSDAT charts presented in **Appendix D-2** show statistically significant downward trends displayed for six wells, no wells displayed statistically significant increasing trends, and the remaining one well displayed a trend that is not statistically significant.

Quarterly gauging and quarterly sampling will continue as required by the Interim Groundwater Monitoring Program.

7.3 Limitations

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

Data used by AECOM in preparing this report have been furnished to AECOM by Shell, Shell's contractors, and P66. AECOM has relied on this information as furnished and is neither responsible for, nor has confirmed the accuracy of this information.

8 References

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Tables

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-01											
1Q25	442.84	1/17/2025	NE	42.83	NA	NA	NA	400.01	394.04 - 384.04 (48.80 - 58.80)	0.0	*
2Q25		4/1/2025	NE	43.73	NA	NA	NA	399.11		0.0	*
3Q25		7/1/2025	NE	42.77	NA	NA	NA	400.07		0.0	*
4Q25		10/2/2025	NE	41.92	NA	NA	NA	400.92		0.0	*
MW-02											
1Q25	443.95	1/13/2025	NE	44.35	NA	NA	NA	399.60	394.08 - 384.08 (49.87 - 59.87)	87.1	*
2Q25		4/1/2025	NE	45.09	NA	NA	NA	398.86		184.9	*
3Q25		7/1/2025	NE	44.09	NA	NA	NA	399.86		243.6	*
4Q25		10/1/2025	NE	43.17	NA	NA	NA	400.78		10.3	*
MW-03											
1Q25	430.25	1/14/2025	NE	30.15	NA	NA	NA	400.10	395.58 - 385.58 (34.67 - 44.67)	0.0	*
2Q25		4/1/2025	NE	30.71	NA	NA	NA	399.54		0.0	*
3Q25		7/1/2025	NE	29.65	NA	NA	NA	400.60		0.0	*
4Q25		10/2/2025	NE	28.95	NA	NA	NA	401.30		0.0	*
MW-04											
1Q25	441.34	1/14/2025	NE	41.33	NA	NA	NA	400.01	396.28 - 386.28 (45.06 - 55.06)	0.0	*
2Q25		4/1/2025	NE	41.93	NA	NA	NA	399.41		80.7	*
3Q25		7/1/2025	NE	40.96	NA	NA	NA	400.38		1.5	*
4Q25		10/2/2025	NE	40.15	NA	NA	NA	401.19		375.2	*
MW-05											
1Q25	429.99	1/14/2025	NE	29.73	NA	NA	NA	400.26	396.02 - 386.02 (33.97 - 43.97)	0.0	*
2Q25		4/2/2025	NE	30.17	NA	NA	NA	399.82		0.0	*
3Q25		7/1/2025	NE	29.27	NA	NA	NA	400.72		0.0	*
4Q25		10/2/2025	NE	28.55	NA	NA	NA	401.44		0.0	*
MW-06A											
1Q25	432.36	1/15/2025	NE	31.63	NA	NA	NA	400.73	398.51 - 388.51 (33.85 - 43.85)	0.0	*
2Q25		4/2/2025	NE	32.02	NA	NA	NA	400.34		0.0	*
3Q25		7/1/2025	NE	31.13	NA	NA	NA	401.23		0.0	*
4Q25		10/2/2025	NE	30.45	NA	NA	NA	401.91		0.0	*
MW-06B											
1Q25	432.39	1/15/2025	NE	31.67	NA	NA	NA	400.72	368.84 - 363.84 (63.55 - 68.55)	0.0	*
2Q25		4/2/2025	NE	32.11	NA	NA	NA	400.28		0.0	*
3Q25		7/1/2025	NE	31.18	NA	NA	NA	401.21		0.0	*
4Q25		10/2/2025	NE	30.50	NA	NA	NA	401.89		0.0	*
MW-06C											
1Q25	432.20	1/15/2025	NE	31.46	NA	NA	NA	400.74	347.93 - 342.93 (84.27 - 89.27)	0.0	*
2Q25		4/2/2025	NE	31.85	NA	NA	NA	400.35		0.0	*
3Q25		7/1/2025	NE	30.96	NA	NA	NA	401.24		0.0	*
4Q25		10/2/2025	NE	30.28	NA	NA	NA	401.92		0.0	*
MW-06D											
1Q25	432.07	1/15/2025	NE	31.31	NA	NA	NA	400.76	327.90 - 322.90 (104.17 - 109.17)	0.0	*
2Q25		4/2/2025	NE	31.69	NA	NA	NA	400.38		0.0	*
3Q25		7/1/2025	NE	30.79	NA	NA	NA	401.28		0.0	*
4Q25		10/2/2025	NE	30.10	NA	NA	NA	401.97		0.0	*
MW-07											
1Q25	443.36	1/13/2025	NE	43.03	NA	NA	NA	400.33	400.44 - 390.44 (42.92 - 52.92)	141.5	
2Q25		4/1/2025	NE	43.67	NA	NA	NA	399.69		0.0	
3Q25		7/3/2025	NM	NM	NM	NM	NM	NM		NM	Not gauged due to operation of FPWY SEE System
4Q25		10/1/2025	NM	NM	NM	NM	NM	NM		NM	Not gauged due to operation of FPWY SEE System
MW-09											
1Q25	445.30	1/14/2025	NE	45.27	NA	NA	NA	400.03	399.26 - 389.26 (46.04 - 56.04)	0.0	*
2Q25		4/2/2025	NE	45.66	NA	NA	NA	399.64		0.0	*
3Q25		7/2/2025	NE	44.88	NA	NA	NA	400.42		0.0	*
4Q25		10/1/2025	NE	44.02	NA	NA	NA	401.28		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-10											
1Q25	445.07	1/13/2025	NE	45.16	NA	NA	NA	399.91	401.18 - 391.18 (43.89 - 53.89)	0.0	
2Q25		4/1/2025	NE	45.73	NA	NA	NA	399.34		0.0	
3Q25		7/1/2025	NE	44.83	NA	NA	NA	400.24		0.0	
4Q25		10/1/2025	NE	43.92	NA	NA	NA	401.15		0.0	
MW-11											
1Q25	442.65	1/14/2025	NE	43.10	NA	NA	NA	399.55	401.15 - 391.15 (41.50 - 51.50)	0.0	
2Q25		4/2/2025	NE	43.54	NA	NA	NA	399.11		0.0	
3Q25		7/1/2025	NE	42.72	NA	NA	NA	399.93		0.0	
4Q25		10/1/2025	NE	41.80	NA	NA	NA	400.85		0.4	
MW-12											
1Q25	442.64	1/13/2025	NE	42.97	NA	NA	NA	399.67	401.23 - 391.23 (41.41 - 51.41)	0.0	
2Q25		4/2/2025	NE	43.47	NA	NA	NA	399.17		0.0	
3Q25		7/1/2025	NE	42.62	NA	NA	NA	400.02		0.0	
4Q25		10/2/2025	NE	41.78	NA	NA	NA	400.86		0.0	
MW-13											
1Q25	430.30	1/15/2025	NE	29.53	NA	NA	NA	400.77	405.50 - 395.50 (24.80 - 34.80)	0.0	
2Q25		4/3/2025	NE	30.26	NA	NA	NA	400.04		0.0	
3Q25		7/2/2025	NE	28.84	NA	NA	NA	401.46		0.0	
4Q25		10/3/2025	NE	28.28	NA	NA	NA	402.02		0.0	
MW-14											
1Q25	434.61	1/15/2025	NE	33.73	NA	NA	NA	400.88	401.19 - 391.19 (33.42 - 43.42)	18.3	
2Q25		4/3/2025	NE	34.18	NA	NA	NA	400.43		37.3	
3Q25		7/3/2025	NE	33.05	NA	NA	NA	401.56		122.3	*
4Q25		10/3/2025	NE	32.45	NA	NA	NA	402.16		20.11	*
MW-16											
1Q25	443.58	1/14/2025	NE	44.27	NA	NA	NA	399.31	406.08 - 396.08 (37.50 - 47.50)	0.0	
2Q25		4/2/2025	NE	44.81	NA	NA	NA	398.77		0.0	
3Q25		7/1/2025	NE	44.03	NA	NA	NA	399.55		0.0	
4Q25		10/3/2025	NE	43.03	NA	NA	NA	400.55		0.0	
MW-17											
1Q25	441.76	1/13/2025	NE	43.28	NA	NA	NA	398.48	407.47 - 392.47 (34.29 - 49.29)	0.0	
2Q25		4/1/2025	NE	43.66	NA	NA	NA	398.10		0.0	
3Q25		7/1/2025	NE	42.80	NA	NA	NA	398.96		0.0	
4Q25		10/1/2025	NE	41.72	NA	NA	NA	400.04		0.0	
MW-18											
1Q25	442.24	1/13/2025	NE	43.85	NA	NA	NA	398.39	407.32 - 392.32 (34.92 - 49.92)	0.0	
2Q25		4/1/2025	NE	44.03	NA	NA	NA	398.21		0.0	
3Q25		7/1/2025	NE	43.43	NA	NA	NA	398.81		0.0	
4Q25		10/1/2025	NE	42.32	NA	NA	NA	399.92		0.0	
MW-19											
1Q25	442.97	1/13/2025	NE	44.24	NA	NA	NA	398.73	406.63 - 391.63 (36.34 - 51.34)	0.0	
2Q25		4/1/2025	NE	44.49	NA	NA	NA	398.48		0.0	
3Q25		7/1/2025	NE	43.89	NA	NA	NA	399.08		0.0	
4Q25		10/1/2025	NE	42.85	NA	NA	NA	400.12		0.0	
MW-20											
1Q25	443.85	1/13/2025	NE	44.68	NA	NA	NA	399.17	407.97 - 392.97 (35.88 - 50.88)	0.0	
2Q25		4/1/2025	NE	45.34	NA	NA	NA	398.51		0.0	
3Q25		7/1/2025	NE	44.43	NA	NA	NA	399.42		0.0	
4Q25		10/1/2025	NE	43.43	NA	NA	NA	400.42		0.0	
MW-21											
1Q25	444.02	1/13/2025	NE	44.18	NA	NA	NA	399.84	409.01 - 394.01 (35.01 - 50.01)	0.0	
2Q25		4/1/2025	NE	44.90	NA	NA	NA	399.12		0.0	
3Q25		7/1/2025	NE	43.91	NA	NA	NA	400.11		0.0	
4Q25		10/1/2025	NE	42.98	NA	NA	NA	401.04		0.0	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-22											
1Q25	442.39	1/14/2025	NE	43.14	NA	NA	NA	399.25	404.16 - 394.16 (38.23 - 48.23)	0.0	
2Q25		4/2/2025	NE	43.81	NA	NA	NA	398.58		0.0	
3Q25		7/1/2025	NE	42.84	NA	NA	NA	399.55		0.0	
4Q25		10/2/2025	NE	41.88	NA	NA	NA	400.51		0.0	
MW-23											
1Q25	431.59	1/15/2025	NE	31.08	NA	NA	NA	400.51	402.57 - 392.57 (29.02 - 39.02)	1.2	
2Q25		4/1/2025	NE	31.66	NA	NA	NA	399.93		1.9	
3Q25		7/1/2025	NE	30.54	NA	NA	NA	401.05		0.0	
4Q25		10/2/2025	NE	29.90	NA	NA	NA	401.69		0.0	
MW-24											
1Q25	443.65	1/14/2025	NE	44.03	NA	NA	NA	399.62	404.04 - 394.04 (39.61 - 49.61)	0.0	
2Q25		4/2/2025	NE	44.50	NA	NA	NA	399.15		0.0	
3Q25		7/1/2025	NE	43.68	NA	NA	NA	399.97		0.0	
4Q25		10/1/2025	NE	42.75	NA	NA	NA	400.90		0.0	
MW-25											
1Q25	438.56	1/14/2025	NE	38.35	NA	NA	NA	400.21	402.97 - 392.97 (35.59 - 45.59)	217.4	
2Q25		4/1/2025	NE	38.95	NA	NA	NA	399.61		0.0	
3Q25		7/1/2025	NE	37.90	NA	NA	NA	400.66		0.0	
4Q25		10/2/2025	NE	37.00	NA	NA	NA	401.56		0.0	
MW-26											
1Q25	441.23	1/15/2025	NM	NM	NM	NM	NM	NM	403.08 - 393.08 (38.15 - 48.15)	NM	Inaccessible due to parked car.
2Q25		4/1/2025	NE	41.99	NA	NA	NA	399.24		0.0	
3Q25		7/1/2025	NE	41.03	NA	NA	NA	400.20		0.0	
4Q25		10/2/2025	NE	40.20	NA	NA	NA	401.03		8.0	
MW-27											
1Q25	443.61	1/14/2025	NE	43.15	NA	NA	NA	400.46	403.82 - 393.82 (39.79 - 49.79)	0.0	
2Q25		4/2/2025	NE	43.36	NA	NA	NA	400.25		0.0	
3Q25		7/1/2025	NE	42.48	NA	NA	NA	401.13		0.0	
4Q25		10/1/2025	NE	41.08	NA	NA	NA	402.53		0.0	
MW-28											
1Q25	443.56	1/13/2025	NE	41.93	NA	NA	NA	401.63	409.95 - 399.95 (33.61 - 43.61)	0.0	
2Q25		4/2/2025	NE	42.40	NA	NA	NA	401.16		0.0	
3Q25		7/2/2025	NE	41.96	NA	NA	NA	401.60		0.0	
4Q25		10/1/2025	NE	40.32	NA	NA	NA	403.24		0.0	
P-01											
1Q25	443.04	1/14/2025	NE	36.40	NA	NA	NA	406.64	380.82 - 375.82 (62.22 - 67.22)	0.0	*
2Q25		4/2/2025	NE	37.13	NA	NA	NA	405.91		0.0	*
3Q25		7/3/2025	NE	34.99	NA	NA	NA	408.05		0.0	*
4Q25		10/3/2025	NE	34.48	NA	NA	NA	408.56		0.0	*
P-4U											
1Q25	442.77	1/14/2025	NE	37.64	NA	NA	NA	405.13	361.62 - 359.62 (81.15 - 83.15)	0.0	*
2Q25		4/3/2025	NE	38.68	NA	NA	NA	404.09		0.0	*
3Q25		7/3/2025	NE	36.35	NA	NA	NA	406.42		0.0	*
4Q25		10/3/2025	NE	35.71	NA	NA	NA	407.06		0.0	*
P-5L											
1Q25	444.05	1/14/2025	NE	37.32	NA	NA	NA	406.73	303.65 - 301.65 (140.40 - 142.40)	0.0	*
2Q25		4/3/2025	NE	38.57	NA	NA	NA	405.48		0.0	*
3Q25		7/3/2025	NE	36.16	NA	NA	NA	407.89		0.0	*
4Q25		10/3/2025	NE	35.79	NA	NA	NA	408.26		0.0	*
P-5U											
1Q25	444.45	1/14/2025	NE	38.60	NA	NA	NA	405.85	313.82 - 311.82 (130.63 - 132.63)	0.0	*
2Q25		4/3/2025	NE	39.43	NA	NA	NA	405.02		0.0	*
3Q25		7/3/2025	NE	37.26	NA	NA	NA	407.19		0.0	*
4Q25		10/3/2025	NE	36.74	NA	NA	NA	407.71		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-6U											
1Q25	443.64	1/14/2025	NE	38.21	NA	NA	NA	405.43	363.14 - 361.14 (80.50 - 82.50)	0.0	*
2Q25		4/3/2025	NE	39.33	NA	NA	NA	404.31		0.0	*
3Q25		7/3/2025	NE	37.02	NA	NA	NA	406.62		0.0	*
4Q25		10/3/2025	NE	36.43	NA	NA	NA	407.21		0.0	*
P-7U											
1Q25	444.09	1/14/2025	NE	38.44	NA	NA	NA	405.65	383.01 - 381.01 (61.08 - 63.08)	0.0	*
2Q25		4/3/2025	NE	39.50	NA	NA	NA	404.59		0.0	*
3Q25		7/3/2025	NE	37.23	NA	NA	NA	406.86		0.0	*
4Q25		10/3/2025	NE	36.72	NA	NA	NA	407.37		0.0	*
P-8U											
1Q25	442.11	1/14/2025	NE	38.57	NA	NA	NA	403.54	382.76 - 380.76 (59.35 - 61.35)	0.0	*
2Q25		4/3/2025	NE	39.43	NA	NA	NA	402.68		0.0	*
3Q25		7/3/2025	NE	37.44	NA	NA	NA	404.67		0.0	*
4Q25		10/2/2025	NE	36.67	NA	NA	NA	405.44		0.0	*
P-9U											
1Q25	445.21	1/14/2025	NE	43.07	NA	NA	NA	402.14	344.62- 342.62 (100.59 - 102.59)	0.0	*
2Q25		4/1/2025	NE	43.65	NA	NA	NA	401.56		0.0	*
3Q25		7/2/2025	NE	42.00	NA	NA	NA	403.21		0.0	*
4Q25		10/2/2025	NE	41.35	NA	NA	NA	403.86		0.0	*
P-11L											
1Q25	442.81	1/14/2025	NE	39.51	NA	NA	NA	403.30	332.60 - 330.60 (110.21 - 112.21)	0.0	*
2Q25		4/3/2025	NE	40.35	NA	NA	NA	402.46		0.0	*
3Q25		7/3/2025	NE	38.32	NA	NA	NA	404.49		0.0	*
4Q25		10/3/2025	NE	37.51	NA	NA	NA	405.30		0.0	*
P-11U											
1Q25	443.42	1/14/2025	NE	40.12	NA	NA	NA	403.30	343.50 - 341.50 (99.92 - 101.92)	0.0	*
2Q25		4/3/2025	NE	41.00	NA	NA	NA	402.42		0.0	*
3Q25		7/3/2025	NE	38.90	NA	NA	NA	404.52		0.0	*
4Q25		10/3/2025	NE	38.15	NA	NA	NA	405.27		0.0	*
P-12L											
1Q25	433.91	1/14/2025	NE	22.85	NA	NA	NA	411.06	351.80 - 349.80 (82.11 - 84.11)	0.0	*
2Q25		4/2/2025	NE	24.05	NA	NA	NA	409.86		0.0	*
3Q25		7/2/2025	NE	21.19	NA	NA	NA	412.72		0.0	*
4Q25		10/3/2025	NE	21.42	NA	NA	NA	412.49		0.0	*
P-12U											
1Q25	435.55	1/14/2025	NE	24.64	NA	NA	NA	410.91	365.60 - 363.60 (69.95 - 71.95)	0.0	*
2Q25		4/2/2025	NE	25.75	NA	NA	NA	409.80		0.0	*
3Q25		7/2/2025	NE	22.93	NA	NA	NA	412.62		0.0	*
4Q25		10/3/2025	NE	23.14	NA	NA	NA	412.41		0.0	*
P-13											
1Q25	433.80	1/14/2025	NE	22.82	NA	NA	NA	410.98	414.44 - 394.44 (19.36 - 39.36)	0.0	
2Q25		4/2/2025	NE	24.00	NA	NA	NA	409.80		0.0	
3Q25		7/2/2025	NE	21.13	NA	NA	NA	412.67		1.1	
4Q25		10/3/2025	NE	21.44	NA	NA	NA	412.36		0.0	
P-014											
1Q25	442.99	1/14/2025	NE	36.41	NA	NA	NA	406.58	395.60 - 385.60 (47.39 - 57.39)	0.0	*
2Q25		4/2/2025	NE	37.15	NA	NA	NA	405.84		0.0	*
3Q25		7/3/2025	NE	35.01	NA	NA	NA	407.98		0.0	*
4Q25		10/3/2025	NE	35.51	NA	NA	NA	407.48		0.0	*
P-15											
1Q25	443.65	1/14/2025	NE	38.26	NA	NA	NA	405.39	398.20 - 388.20 (45.45 - 55.45)	0.0	*
2Q25		4/3/2025	NE	39.25	NA	NA	NA	404.40		0.0	*
3Q25		7/3/2025	NE	36.97	NA	NA	NA	406.68		0.0	*
4Q25		10/3/2025	NE	36.32	NA	NA	NA	407.33		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-16											
1Q25	442.60	1/14/2025	NE	36.88	NA	NA	NA	405.72	396.86 - 386.86 (45.74 - 55.74)	0.0	*
2Q25		4/3/2025	NE	38.15	NA	NA	NA	404.45		0.0	*
3Q25		7/3/2025	NE	35.52	NA	NA	NA	407.08		0.0	*
4Q25		10/3/2025	NE	35.06	NA	NA	NA	407.54		0.0	*
P-17											
1Q25	429.73	1/14/2025	NE	21.42	NA	NA	NA	408.31	410.21 - 390.21 (19.52 - 39.52)	0.0	
2Q25		4/1/2025	NE	22.40	NA	NA	NA	407.33		0.0	
3Q25		7/2/2025	NE	20.03	NA	NA	NA	409.70		0.0	
4Q25		10/2/2025	NE	19.92	NA	NA	NA	409.81		0.0	
P-18											
1Q25	433.70	1/14/2025	NE	22.77	NA	NA	NA	410.93	403.48 - 393.48 (30.22 - 40.22)	0.0	*
2Q25		4/2/2025	NE	24.00	NA	NA	NA	409.70		0.0	*
3Q25		7/2/2025	NE	21.11	NA	NA	NA	412.59		0.9	*
4Q25		10/3/2025	NE	21.33	NA	NA	NA	412.37		0.0	*
P-43											
1Q25	444.40	1/14/2025	NE	41.03	NA	NA	NA	403.37	380.84 - 370.84 (63.56 - 73.56)	0.0	*
2Q25		4/3/2025	NE	41.83	NA	NA	NA	402.57		0.0	*
3Q25		7/3/2025	NE	39.74	NA	NA	NA	404.66		0.0	*
4Q25		10/3/2025	NE	38.96	NA	NA	NA	405.44		0.0	*
P-47											
1Q25	428.28	1/15/2025	NE	34.60	NA	NA	NA	393.68	400.32 - 380.32 (27.96 - 47.96)	0.1	
2Q25		4/3/2025	NE	34.21	NA	NA	NA	394.07		0.0	
3Q25		7/3/2025	NE	28.82	NA	NA	NA	399.46		0.0	
4Q25		10/3/2025	NE	32.17	NA	NA	NA	396.11		0.0	
P-51											
1Q25	426.68	1/15/2025	NE	33.50	NA	NA	NA	393.18	405.53 - 385.53 (21.15 - 41.15)	0.1	
2Q25		4/3/2025	NE	32.99	NA	NA	NA	393.69		53.1	
3Q25		7/3/2025	NE	27.47	NA	NA	NA	399.21		20.6	
4Q25		10/3/2025	NE	30.85	NA	NA	NA	395.83		37.2	
P-52											
1Q25	444.75	1/15/2025	NE	42.09	NA	NA	NA	402.66	407.80 - 382.80 (36.95 - 61.95)	0.0	
2Q25		4/2/2025	NE	42.21	NA	NA	NA	402.54		115.7	
3Q25		7/2/2025	NE	41.47	NA	NA	NA	403.28		0.0	
4Q25		10/1/2025	NE	40.75	NA	NA	NA	404.00		0.0	
P-53											
1Q25	446.58	1/15/2025	NE	44.87	NA	NA	NA	401.71	406.27 - 381.27 (40.31 - 65.31)	0.0	
2Q25		4/2/2025	NE	45.15	NA	NA	NA	401.43		0.0	
3Q25		7/2/2025	NE	44.53	NA	NA	NA	402.05		0.0	
4Q25		10/1/2025	NE	43.70	NA	NA	NA	402.88		0.0	
P-54											
1Q25	442.53	1/14/2025	NE	42.75	NA	NA	NA	399.78	404.53 - 379.53 (38.00 - 63.00)	0.0	
2Q25		4/2/2025	NE	43.24	NA	NA	NA	399.29		0.0	
3Q25		7/1/2025	NE	42.37	NA	NA	NA	400.16		0.0	
4Q25		10/1/2025	NE	41.48	NA	NA	NA	401.05		0.0	
P-55R											
1Q25	444.01	1/13/2025	41.77	42.08	401.93	402.24	0.31	402.18	403.58 - 393.58 (40.43 - 50.43)	121.6	
2Q25		4/1/2025	42.26	42.60	401.41	401.75	0.34	401.68		83.9	
3Q25		7/1/2025	41.31	41.82	402.19	402.70	0.51	402.60		288.1	
4Q25		10/1/2025	40.35	40.66	403.35	403.66	0.31	403.60		298.2	*
P-56											
1Q25	446.33	1/13/2025	NE	47.13	NA	NA	NA	399.20	405.51 - 380.51 (40.82 - 65.82)	2.0	
2Q25		4/1/2025	NE	47.88	NA	NA	NA	398.45		0.0	
3Q25		7/1/2025	NE	46.86	NA	NA	NA	399.47		0.0	
4Q25		10/1/2025	NE	45.94	NA	NA	NA	400.39		3.7	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-57											
1Q25	447.17	1/13/2025	NE	47.29	NA	NA	NA	399.88	402.98 - 392.98 (44.19 - 54.19)	0.0	
2Q25		4/1/2025	NE	48.07	NA	NA	NA	399.10		0.0	
3Q25		7/1/2025	NE	47.04	NA	NA	NA	400.13		0.0	
4Q25		10/1/2025	NE	46.17	NA	NA	NA	401.00		0.0	
P-58											
1Q25	445.16	1/13/2025	NE	44.89	NA	NA	NA	400.27	404.95 - 379.95 (40.21 - 65.21)	0.0	
2Q25		4/1/2025	NE	45.55	NA	NA	NA	399.61		0.0	
3Q25		7/1/2025	NE	44.51	NA	NA	NA	400.65		0.0	
4Q25		10/1/2025	NE	43.54	NA	NA	NA	401.62		0.0	
P-59											
1Q25	447.09	1/13/2025	NE	48.38	NA	NA	NA	398.71	399.18 - 374.18 (47.91 - 72.91)	0.0	
2Q25		4/1/2025	NE	49.00	NA	NA	NA	398.09		0.0	
3Q25		7/1/2025	NE	48.02	NA	NA	NA	399.07		0.0	
4Q25		10/1/2025	NE	46.99	NA	NA	NA	400.10		420.5	*
P-60											
1Q25	446.88	1/13/2025	NE	48.47	NA	NA	NA	398.41	402.23 - 382.23 (44.65 - 64.65)	188.1	
2Q25		4/1/2025	NE	48.57	NA	NA	NA	398.31		20.5	
3Q25		7/1/2025	NE	47.82	NA	NA	NA	399.06		3.5	
4Q25		10/1/2025	NE	45.56	NA	NA	NA	401.32		25.6	
P-61											
1Q25	444.70	1/13/2025	45.23	46.21	398.49	399.47	0.98	399.27	399.03 - 374.03 (45.68 - 70.68)	398.0	
2Q25		4/1/2025	46.38	48.48	396.22	398.32	2.10	397.90		0.0	
3Q25		7/1/2025	45.53	46.78	397.92	399.17	1.25	398.92		309.5	
4Q25		10/1/2025	44.46	45.74	398.96	400.24	1.28	399.98		441.4	*
P-62											
1Q25	442.62	1/13/2025	43.00	43.41	399.21	399.62	0.41	399.54	401.15 - 376.15 (41.47 - 66.47)	0.0	
2Q25		4/1/2025	43.85	44.60	398.02	398.77	0.75	398.62		0.0	
3Q25		7/1/2025	42.98	43.14	399.48	399.64	0.16	399.61		0.0	
4Q25		10/1/2025	42.05	42.15	400.47	400.57	0.10	400.55		300.8	
P-63											
1Q25	446.08	1/13/2025	46.23	46.25	399.83	399.85	0.02	399.85	398.79 - 373.79 (47.29 - 72.29)	11.3	*
2Q25		4/3/2025	47.17	47.22	398.86	398.91	0.05	398.90		2.9	*
3Q25		7/1/2025	46.04	46.05	400.03	400.04	0.01	400.04		21.8	*
4Q25		10/2/2025	45.30	45.31	400.77	400.78	0.01	400.78		72.3	*
P-64											
1Q25	446.81	1/13/2025	47.10	47.42	399.39	399.71	0.32	399.65	399.58 - 374.58 (47.23 - 72.23)	169.7	*
2Q25		4/3/2025	47.95	48.53	398.28	398.86	0.58	398.74		0.0	
3Q25		7/1/2025	46.97	47.06	399.75	399.84	0.09	399.82		227.7	*
4Q25		10/2/2025	46.28	46.41	400.40	400.53	0.13	400.50		243.2	*
P-65											
1Q25	444.81	1/13/2025	44.95	44.96	399.85	399.86	0.01	399.86	397.79 - 372.79 (47.02 - 72.02)	8.0	*
2Q25		4/2/2025	NE	45.28	NA	NA	NA	399.53		2.6	*
3Q25		7/1/2025	NE	44.48	NA	NA	NA	400.33		16.1	*
4Q25		10/2/2025	43.76	43.77	401.04	401.05	0.01	401.05		34.1	*
P-66											
1Q25	437.01	1/15/2025	36.54	36.86	400.15	400.47	0.32	400.41	402.29 - 377.29 (34.72 - 59.72)	46.5	
2Q25		4/3/2025	37.05	37.60	399.41	399.96	0.55	399.85		0.3	
3Q25		7/3/2025	36.06	36.07	400.94	400.95	0.01	400.95		0.0	
4Q25		10/3/2025	35.34	35.35	401.66	401.67	0.01	401.67		0.0	
P-67											
1Q25	444.30	1/15/2025	NE	42.82	NA	NA	NA	401.48	402.33 - 377.33 (41.98 - 66.98)	0.0	
2Q25		4/3/2025	NE	43.32	NA	NA	NA	400.98		0.0	
3Q25		7/3/2025	NE	42.10	NA	NA	NA	402.20		0.2	
4Q25		10/3/2025	NE	41.48	NA	NA	NA	402.82		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-68											
1Q25	445.40	1/13/2025	46.57	46.81	398.59	398.83	0.24	398.78	401.64 - 376.64 (43.76 - 68.76)	236.6	
2Q25		4/1/2025	47.17	47.23	398.17	398.23	0.06	398.22		7.8	
3Q25		7/1/2025	46.16	46.26	399.14	399.24	0.10	399.22		165.8	
4Q25		10/1/2025	44.89	45.14	400.26	400.51	0.25	400.46		470.2	
P-69											
1Q25	443.90	1/13/2025	NE	46.12	NA	NA	NA	397.78	403.08 - 378.08 (40.82 - 65.82)	0.2	
2Q25		4/1/2025	NE	46.55	NA	NA	NA	397.35		0.0	
3Q25		7/1/2025	NE	45.62	NA	NA	NA	398.28		0.0	
4Q25		10/1/2025	NE	44.43	NA	NA	NA	399.47		0.0	
P-70											
1Q25	443.11	1/13/2025	44.05	44.37	398.74	399.06	0.32	399.00	398.44 - 373.44 (44.67 - 69.67)	154.6	*
2Q25		4/1/2025	44.70	46.30	396.81	398.41	1.60	398.09		97.2	
3Q25		7/1/2025	44.05	44.31	398.80	399.06	0.26	399.01		352.4	*
4Q25		10/1/2025	43.06	43.18	399.93	400.05	0.12	400.03		446.8	*
P-71											
1Q25	445.15	1/13/2025	NE	44.33	NA	NA	NA	400.82	402.54 - 377.54 (42.61 - 67.61)	0.0	
2Q25		4/2/2025	NE	44.75	NA	NA	NA	400.40		27.4	
3Q25		7/1/2025	NE	44.13	NA	NA	NA	401.02		0.0	
4Q25		10/2/2025	NE	43.49	NA	NA	NA	401.66		68.3	
P-72											
1Q25	444.75	1/13/2025	NE	44.26	NA	NA	NA	400.49	398.98 - 373.98 (45.77 - 70.77)	6.2	*
2Q25		4/2/2025	NE	44.50	NA	NA	NA	400.25		0.4	*
3Q25		7/2/2025	NE	43.97	NA	NA	NA	400.78		0.9	*
4Q25		10/2/2025	NE	43.08	NA	NA	NA	401.67		0.2	*
P-73											
1Q25	444.03	1/13/2025	NE	44.24	NA	NA	NA	399.79	402.44 - 377.44 (41.60 - 66.60)	0.2	
2Q25		4/3/2025	NE	45.38	NA	NA	NA	398.65		0.0	
3Q25		7/1/2025	NE	44.25	NA	NA	NA	399.78		0.0	
4Q25		10/1/2025	NE	43.18	NA	NA	NA	400.85		0.0	
P-74											
1Q25	442.94	1/13/2025	NE	44.64	NA	NA	NA	398.30	399.11 - 374.11 (43.83 - 68.83)	170.7	
2Q25		4/1/2025	NE	45.22	NA	NA	NA	397.72		0.0	
3Q25		7/1/2025	NE	44.24	NA	NA	NA	398.70		216.7	
4Q25		10/1/2025	NE	43.17	NA	NA	NA	399.77		115.4	*
P-75											
1Q25	446.68	1/15/2025	NE	46.37	NA	NA	NA	400.31	403.55 - 378.55 (43.13 - 68.13)	0.0	
2Q25		4/3/2025	NE	46.83	NA	NA	NA	399.85		0.0	
3Q25		7/3/2025	NE	45.75	NA	NA	NA	400.93		0.0	
4Q25		10/3/2025	NE	45.08	NA	NA	NA	401.60		0.0	
P-81A											
1Q25	436.09	1/15/2025	NE	24.12	NA	NA	NA	411.97	411.09 - 396.09 (25.00 - 40.00)	0.0	*
2Q25		4/3/2025	NE	24.53	NA	NA	NA	411.56		0.0	*
3Q25		7/2/2025	NE	22.55	NA	NA	NA	413.54		0.0	*
4Q25		10/3/2025	NE	22.35	NA	NA	NA	413.74		0.0	*
P-81B											
1Q25	435.81	1/15/2025	NE	23.82	NA	NA	NA	411.99	372.40 - 370.40 (63.41 - 65.41)	0.0	*
2Q25		4/3/2025	NE	24.18	NA	NA	NA	411.63		0.0	*
3Q25		7/2/2025	NE	22.26	NA	NA	NA	413.55		0.0	*
4Q25		10/3/2025	NE	22.05	NA	NA	NA	413.76		0.0	*
P-81C											
1Q25	435.70	1/15/2025	NE	23.75	NA	NA	NA	411.95	351.79 - 349.79 (83.91 - 85.91)	0.0	*
2Q25		4/3/2025	NE	24.10	NA	NA	NA	411.60		0.0	*
3Q25		7/2/2025	NE	22.20	NA	NA	NA	413.50		0.0	*
4Q25		10/3/2025	NE	22.00	NA	NA	NA	413.70		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-81D											
1Q25	435.66	1/15/2025	NE	23.68	NA	NA	NA	411.98	343.81 - 341.81 (91.85 - 93.85)	0.0	*
2Q25		4/3/2025	NE	24.05	NA	NA	NA	411.61		0.0	*
3Q25		7/2/2025	NE	22.13	NA	NA	NA	413.53		0.0	*
4Q25		10/3/2025	NE	21.93	NA	NA	NA	413.73		0.0	*
P-82A											
1Q25	434.93	1/15/2025	NE	30.57	NA	NA	NA	404.36	401.72 - 386.72 (33.21 - 48.21)	0.6	*
2Q25		4/3/2025	NE	31.23	NA	NA	NA	403.70		0.0	*
3Q25		7/2/2025	NE	29.63	NA	NA	NA	405.30		0.0	*
4Q25		10/3/2025	NE	29.15	NA	NA	NA	405.78		0.0	*
P-82B											
1Q25	434.68	1/15/2025	NE	30.28	NA	NA	NA	404.40	371.88 - 369.88 (62.80 - 64.80)	0.0	*
2Q25		4/3/2025	NE	29.95	NA	NA	NA	404.73		0.3	*
3Q25		7/2/2025	NE	29.35	NA	NA	NA	405.33		0.0	*
4Q25		10/3/2025	NE	28.88	NA	NA	NA	405.80		0.0	*
P-82C											
1Q25	434.44	1/15/2025	NE	30.00	NA	NA	NA	404.44	351.67 - 349.67 (82.77 - 84.77)	0.0	*
2Q25		4/3/2025	NE	29.98	NA	NA	NA	404.46		0.0	*
3Q25		7/2/2025	NE	29.07	NA	NA	NA	405.37		0.0	*
4Q25		10/3/2025	NE	28.60	NA	NA	NA	405.84		0.0	*
P-82D											
1Q25	435.08	1/15/2025	NE	30.74	NA	NA	NA	404.34	323.54 - 321.54 (111.54 - 113.54)	0.0	*
2Q25		4/3/2025	NE	31.79	NA	NA	NA	403.29		0.0	*
3Q25		7/2/2025	NE	29.82	NA	NA	NA	405.26		0.0	*
4Q25		10/3/2025	NE	29.35	NA	NA	NA	405.73		0.0	*
P-83A											
1Q25	445.57	1/13/2025	NE	44.54	NA	NA	NA	401.03	398.17 - 383.17 (47.40 - 62.40)	0.0	*
2Q25		4/2/2025	NE	45.05	NA	NA	NA	400.52		0.0	*
3Q25		7/2/2025	NE	44.18	NA	NA	NA	401.39		0.0	*
4Q25		10/2/2025	NE	43.47	NA	NA	NA	402.10		0.0	*
P-83B											
1Q25	445.81	1/13/2025	NE	44.77	NA	NA	NA	401.04	372.01 - 370.01 (73.80 - 75.80)	0.0	*
2Q25		4/2/2025	NE	45.30	NA	NA	NA	400.51		0.0	*
3Q25		7/2/2025	NE	44.45	NA	NA	NA	401.36		0.0	*
4Q25		10/2/2025	NE	43.72	NA	NA	NA	402.09		0.0	*
P-83C											
1Q25	445.98	1/13/2025	NE	44.94	NA	NA	NA	401.04	353.59 - 351.59 (92.39 - 94.39)	0.0	*
2Q25		4/2/2025	NE	45.47	NA	NA	NA	400.51		0.0	*
3Q25		7/2/2025	NE	44.60	NA	NA	NA	401.38		0.0	*
4Q25		10/2/2025	NE	43.87	NA	NA	NA	402.11		0.0	*
P-83D											
1Q25	445.90	1/13/2025	NE	44.88	NA	NA	NA	401.02	312.10 - 310.10 (133.80 - 135.80)	0.0	*
2Q25		4/2/2025	NE	45.42	NA	NA	NA	400.48		0.0	*
3Q25		7/2/2025	NE	44.55	NA	NA	NA	401.35		0.0	*
4Q25		10/2/2025	NE	43.82	NA	NA	NA	402.08		0.0	*
P-84A											
1Q25	446.65	1/14/2025	NE	45.55	NA	NA	NA	401.10	398.15 - 383.15 (48.50 - 63.50)	0.0	*
2Q25		4/3/2025	NE	46.24	NA	NA	NA	400.41		0.0	*
3Q25		7/2/2025	NE	45.19	NA	NA	NA	401.46		0.0	*
4Q25		10/2/2025	NE	44.42	NA	NA	NA	402.23		0.0	*
P-84B											
1Q25	446.36	1/14/2025	NE	45.28	NA	NA	NA	401.08	372.86 - 370.86 (73.50 - 75.50)	0.0	*
2Q25		4/4/2025	NE	45.82	NA	NA	NA	400.54		0.0	*
3Q25		7/2/2025	NE	44.93	NA	NA	NA	401.43		0.0	*
4Q25		10/2/2025	NE	44.15	NA	NA	NA	402.21		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-84C											
1Q25	446.40	1/14/2025	NE	45.29	NA	NA	NA	401.11	352.35 - 350.35 (94.05 - 96.05)	0.0	*
2Q25		4/3/2025	NE	46.29	NA	NA	NA	400.11		0.0	*
3Q25		7/2/2025	NE	44.39	NA	NA	NA	402.01		0.0	*
4Q25		10/2/2025	NE	44.20	NA	NA	NA	402.20		0.0	*
P-84D											
1Q25	446.40	1/14/2025	NE	45.29	NA	NA	NA	401.11	325.57 - 323.57 (120.83 - 122.83)	0.0	*
2Q25		4/3/2025	NE	46.31	NA	NA	NA	400.09		0.0	*
3Q25		7/2/2025	NE	44.94	NA	NA	NA	401.46		0.0	*
4Q25		10/2/2025	NE	44.15	NA	NA	NA	402.25		0.0	*
P-85B											
1Q25	430.99	1/14/2025	NE	20.27	NA	NA	NA	410.72	372.63 - 370.63 (58.36 - 60.36)	0.0	*
2Q25		4/2/2025	NE	21.23	NA	NA	NA	409.76		0.0	*
3Q25		7/2/2025	NE	18.98	NA	NA	NA	412.01		0.0	*
4Q25		10/3/2025	NE	18.86	NA	NA	NA	412.13		0.0	*
P-85C											
1Q25	430.79	1/14/2025	NE	20.23	NA	NA	NA	410.56	352.41 - 350.41 (78.38 - 80.38)	0.0	*
2Q25		4/2/2025	NE	21.02	NA	NA	NA	409.77		0.0	*
3Q25		7/2/2025	NE	18.75	NA	NA	NA	412.04		0.0	*
4Q25		10/3/2025	NE	18.62	NA	NA	NA	412.17		0.0	*
P-85D											
1Q25	430.79	1/14/2025	NE	20.25	NA	NA	NA	410.54	331.42 - 329.42 (99.37 - 101.37)	0.0	*
2Q25		4/2/2025	NE	21.03	NA	NA	NA	409.76		0.0	*
3Q25		7/2/2025	NE	18.80	NA	NA	NA	411.99		0.0	*
4Q25		10/3/2025	NE	18.64	NA	NA	NA	412.15		0.0	*
P-86A											
1Q25	432.96	1/14/2025	NE	21.91	NA	NA	NA	411.05	411.04 - 396.04 (21.92 - 36.92)	0.0	*
2Q25		4/2/2025	NE	23.13	NA	NA	NA	409.83		0.0	
3Q25		7/2/2025	NE	20.28	NA	NA	NA	412.68		0.0	*
4Q25		10/3/2025	NE	20.49	NA	NA	NA	412.47		0.0	*
P-86B											
1Q25	433.24	1/14/2025	NE	22.23	NA	NA	NA	411.01	372.61 - 370.61 (60.63 - 62.63)	0.0	*
2Q25		4/2/2025	NE	23.43	NA	NA	NA	409.81		0.0	*
3Q25		7/2/2025	NE	19.58	NA	NA	NA	413.66		0.0	*
4Q25		10/3/2025	NE	20.81	NA	NA	NA	412.43		0.0	*
P-86C											
1Q25	432.14	1/14/2025	NE	21.12	NA	NA	NA	411.02	351.90 - 349.90 (80.24 - 82.24)	0.0	*
2Q25		4/2/2025	NE	22.33	NA	NA	NA	409.81		0.0	*
3Q25		7/2/2025	NE	19.58	NA	NA	NA	412.56		0.0	*
4Q25		10/3/2025	NE	19.69	NA	NA	NA	412.45		0.0	*
P-86D											
1Q25	432.09	1/14/2025	NE	20.99	NA	NA	NA	411.10	332.28 - 330.28 (99.81 - 101.81)	0.0	*
2Q25		4/2/2025	NE	22.20	NA	NA	NA	409.89		0.0	*
3Q25		7/2/2025	NE	19.34	NA	NA	NA	412.75		0.0	*
4Q25		10/3/2025	NE	19.56	NA	NA	NA	412.53		0.0	*
P-87B											
1Q25	432.20	1/14/2025	NE	23.92	NA	NA	NA	408.28	371.89 - 369.89 (60.31 - 62.31)	0.0	*
2Q25		4/1/2025	NE	24.90	NA	NA	NA	407.30		0.0	*
3Q25		7/2/2025	NE	22.58	NA	NA	NA	409.62		0.0	*
4Q25		10/2/2025	NE	22.45	NA	NA	NA	409.75		0.0	*
P-87C											
1Q25	431.78	1/14/2025	NE	17.96	NA	NA	NA	413.82	351.87 - 349.87 (79.92 - 81.92)	0.0	*
2Q25		4/1/2025	NE	18.20	NA	NA	NA	413.58		0.0	*
3Q25		7/2/2025	NE	18.70	NA	NA	NA	413.08		0.0	*
4Q25		10/2/2025	NE	21.46	NA	NA	NA	410.32		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-87D											
1Q25	431.91	1/14/2025	NE	23.46	NA	NA	NA	408.45	338.66 - 336.66 (93.26 - 95.26)	0.0	*
2Q25		4/1/2025	NE	24.70	NA	NA	NA	407.21		0.0	*
3Q25		7/2/2025	NE	22.23	NA	NA	NA	409.68		0.0	*
4Q25		10/2/2025	NE	22.15	NA	NA	NA	409.76		0.0	*
P-88A											
1Q25	443.27	1/14/2025	NE	36.68	NA	NA	NA	406.59	404.87 - 389.87 (38.40 - 53.40)	0.0	*
2Q25		4/3/2025	NE	37.07	NA	NA	NA	406.20		0.0	*
3Q25		7/3/2025	NE	35.63	NA	NA	NA	407.64		0.0	*
4Q25		10/3/2025	NE	34.75	NA	NA	NA	408.52		0.0	*
P-88B											
1Q25	443.35	1/14/2025	NE	36.75	NA	NA	NA	406.60	371.70 - 369.70 (71.65 - 73.65)	0.0	*
2Q25		4/3/2025	NE	37.15	NA	NA	NA	406.20		0.0	*
3Q25		7/3/2025	NE	35.70	NA	NA	NA	407.65		0.0	*
4Q25		10/3/2025	NE	35.00	NA	NA	NA	408.35		0.0	*
P-88C											
1Q25	443.31	1/14/2025	NE	36.71	NA	NA	NA	406.60	351.01 - 349.01 (92.30 - 94.30)	0.0	*
2Q25		4/3/2025	NE	37.10	NA	NA	NA	406.21		0.0	*
3Q25		7/3/2025	NE	35.65	NA	NA	NA	407.66		0.0	*
4Q25		10/3/2025	NE	34.98	NA	NA	NA	408.33		0.0	*
P-88D											
1Q25	443.39	1/14/2025	NE	36.79	NA	NA	NA	406.60	331.22 - 329.22 (112.17 - 114.17)	0.0	*
2Q25		4/3/2025	NE	37.18	NA	NA	NA	406.21		0.0	*
3Q25		7/3/2025	NE	35.75	NA	NA	NA	407.64		0.0	*
4Q25		10/3/2025	NE	35.08	NA	NA	NA	408.31		0.0	*
P-89B											
1Q25	447.64	1/13/2025	NE	45.97	NA	NA	NA	401.67	370.28 - 368.28 (77.36 - 79.36)	0.0	*
2Q25		4/1/2025	NE	46.50	NA	NA	NA	401.14		0.0	*
3Q25		7/2/2025	NE	44.83	NA	NA	NA	402.81		0.0	*
4Q25		10/2/2025	NE	46.06	NA	NA	NA	401.58		0.0	*
P-89C											
1Q25	447.96	1/13/2025	NE	46.33	NA	NA	NA	401.63	351.56 - 349.56 (96.40 - 98.40)	0.0	*
2Q25		4/1/2025	NE	46.85	NA	NA	NA	401.11		0.0	*
3Q25		7/2/2025	NE	43.20	NA	NA	NA	404.76		0.0	*
4Q25		10/2/2025	NE	44.46	NA	NA	NA	403.50		0.0	*
P-89D											
1Q25	447.83	1/13/2025	NE	46.34	NA	NA	NA	401.49	309.33 - 307.33 (138.50 - 140.50)	0.0	*
2Q25		4/1/2025	NE	46.83	NA	NA	NA	401.00		0.0	*
3Q25		7/2/2025	NE	45.20	NA	NA	NA	402.63		0.0	*
4Q25		10/2/2025	NE	44.47	NA	NA	NA	403.36		0.0	*
P-91A											
1Q25	447.44	1/13/2025	48.04	48.07	399.37	399.40	0.03	399.39	395.93 - 380.93 (51.52 - 66.52)	12.3	*
2Q25		4/1/2025	48.82	48.84	398.60	398.62	0.02	398.62		7.7	*
3Q25		7/1/2025	48.05	48.06	399.38	399.39	0.01	399.39		67.4	*
4Q25		10/2/2025	47.40	47.42	400.02	400.04	0.02	400.04		120.2	*
P-91B											
1Q25	447.48	1/13/2025	NE	48.07	NA	NA	NA	399.41	372.79 - 370.79 (74.69 - 76.69)	0.4	*
2Q25		4/1/2025	NE	48.85	NA	NA	NA	398.63		0.0	*
3Q25		7/1/2025	NE	48.07	NA	NA	NA	399.41		2.1	*
4Q25		10/2/2025	NE	47.39	NA	NA	NA	400.09		1.7	*
P-91C											
1Q25	447.27	1/13/2025	NE	47.84	NA	NA	NA	399.43	352.54 - 350.54 (94.73 - 96.73)	0.0	*
2Q25		4/1/2025	NE	48.63	NA	NA	NA	398.64		0.0	*
3Q25		7/1/2025	NE	47.85	NA	NA	NA	399.42		0.0	*
4Q25		10/2/2025	NE	47.19	NA	NA	NA	400.08		0.1	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-91D											
1Q25	447.28	1/13/2025	NE	47.88	NA	NA	NA	399.40	278.96 - 276.96 (168.32 - 170.32)	0.0	*
2Q25		4/1/2025	NE	48.65	NA	NA	NA	398.63		0.0	*
3Q25		7/1/2025	NE	47.88	NA	NA	NA	399.40		0.4	*
4Q25		10/2/2025	NE	47.22	NA	NA	NA	400.06		0.1	*
P-92A											
1Q25	446.41	1/13/2025	46.84	46.86	399.55	399.57	0.02	399.57	398.84 - 383.84 (47.57 - 62.57)	94.5	*
2Q25		4/2/2025	47.12	47.14	399.27	399.29	0.02	399.29		8.1	*
3Q25		7/1/2025	46.37	46.38	400.03	400.04	0.01	400.04		180.7	*
4Q25		10/1/2025	45.59	45.68	400.73	400.82	0.09	400.80		298.1	*
P-92B											
1Q25	446.33	1/13/2025	NE	46.77	NA	NA	NA	399.56	371.92 - 369.92 (74.41 - 76.41)	0.0	*
2Q25		4/2/2025	NE	47.10	NA	NA	NA	399.23		0.0	*
3Q25		7/1/2025	NE	46.32	NA	NA	NA	400.01		4.8	*
4Q25		10/1/2025	NE	45.56	NA	NA	NA	400.77		0.0	*
P-92C											
1Q25	446.35	1/13/2025	NE	46.78	NA	NA	NA	399.57	353.39 - 348.39 (92.96 - 97.96)	0.5	*
2Q25		4/2/2025	NE	47.10	NA	NA	NA	399.25		0.0	*
3Q25		7/1/2025	NE	46.32	NA	NA	NA	400.03		7.7	*
4Q25		10/1/2025	NE	45.55	NA	NA	NA	400.80		8.6	*
P-92D											
1Q25	446.16	1/13/2025	NE	46.64	NA	NA	NA	399.52	305.16 - 303.16 (141.00 - 143.00)	0.0	*
2Q25		4/2/2025	NE	46.95	NA	NA	NA	399.21		0.4	*
3Q25		7/1/2025	NE	46.17	NA	NA	NA	399.99		3.0	*
4Q25		10/1/2025	NE	45.41	NA	NA	NA	400.75		0.1	*
P-93A											
1Q25	445.37	1/13/2025	NE	45.36	NA	NA	NA	400.01	402.30 - 392.30 (43.07 - 53.07)	0.0	
2Q25		4/1/2025	NE	46.13	NA	NA	NA	399.24		0.0	
3Q25		7/1/2025	NE	45.08	NA	NA	NA	400.29		0.0	
4Q25		10/1/2025	NE	44.18	NA	NA	NA	401.19		0.0	
P-93B											
1Q25	446.71	1/13/2025	NE	46.74	NA	NA	NA	399.97	371.93 - 369.93 (74.78 - 76.78)	0.0	*
2Q25		4/1/2025	NE	47.50	NA	NA	NA	399.21		45.0	*
3Q25		7/1/2025	NE	46.45	NA	NA	NA	400.26		114.3	*
4Q25		10/1/2025	NE	45.54	NA	NA	NA	401.17		1706.0	*
P-93C											
1Q25	446.57	1/13/2025	NE	46.59	NA	NA	NA	399.98	353.69 - 348.69 (92.88 - 97.88)	0.0	*
2Q25		4/1/2025	NE	47.35	NA	NA	NA	399.22		0.0	*
3Q25		7/1/2025	NE	46.03	NA	NA	NA	400.54		0.0	*
4Q25		10/1/2025	NE	45.37	NA	NA	NA	401.20		0.0	*
P-93D											
1Q25	446.93	1/13/2025	NE	46.94	NA	NA	NA	399.99	321.27 - 319.27 (125.66 - 127.66)	0.0	*
2Q25		4/1/2025	NE	47.70	NA	NA	NA	399.23		0.0	*
3Q25		7/1/2025	NE	46.60	NA	NA	NA	400.33		0.0	*
4Q25		10/1/2025	NE	45.72	NA	NA	NA	401.21		45.7	*
P-94											
1Q25	445.02	1/13/2025	NE	41.98	NA	NA	NA	403.04	398.78 - 383.78 (46.24 - 61.24)	0.0	*
2Q25		4/2/2025	NE	42.40	NA	NA	NA	402.62		0.0	*
3Q25		7/2/2025	NE	40.93	NA	NA	NA	404.09		0.0	*
4Q25		10/2/2025	NE	40.28	NA	NA	NA	404.74		0.0	*
P-95											
1Q25	443.69	1/14/2025	NE	35.03	NA	NA	NA	408.66	407.17 - 392.17 (36.52 - 51.52)	0.0	*
2Q25		4/3/2025	NE	35.37	NA	NA	NA	408.32		0.0	*
3Q25		7/3/2025	NE	33.81	NA	NA	NA	409.88		0.0	*
4Q25		10/3/2025	NE	33.15	NA	NA	NA	410.54		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-98											
1Q25	436.11	1/14/2025	NE	23.52	NA	NA	NA	412.59	408.34 - 388.34 (27.77 - 47.77)	0.0	*
2Q25		4/2/2025	NE	24.48	NA	NA	NA	411.63		0.0	*
3Q25		7/2/2025	NE	21.75	NA	NA	NA	414.36		0.0	*
4Q25		10/3/2025	NE	21.99	NA	NA	NA	414.12		0.0	*
P-99											
1Q25	435.22	1/14/2025	NE	22.02	NA	NA	NA	413.20	407.83 - 387.83 (27.40 - 47.40)	0.0	*
2Q25		4/2/2025	NE	22.48	NA	NA	NA	412.74		0.0	*
3Q25		7/2/2025	NE	20.20	NA	NA	NA	415.02		0.0	*
4Q25		10/3/2025	NE	20.21	NA	NA	NA	415.01		0.0	*
P-102											
1Q25	445.14	1/14/2025	NE	39.28	NA	NA	NA	405.86	402.39 - 382.39 (42.75 - 62.75)	0.0	*
2Q25		4/3/2025	NE	39.92	NA	NA	NA	405.22		0.0	*
3Q25		7/3/2025	NE	38.16	NA	NA	NA	406.98		0.0	*
4Q25		10/3/2025	NE	37.28	NA	NA	NA	407.86		0.0	*
P-114R											
1Q25	429.45	1/15/2025	NE	28.59	NA	NA	NA	400.86	406.44 - 396.44 (23.01 - 33.01)	0.0	
2Q25		4/3/2025	NE	29.34	NA	NA	NA	400.11		0.0	
3Q25		7/2/2025	NE	27.71	NA	NA	NA	401.74		0.0	
4Q25		10/3/2025	NE	27.30	NA	NA	NA	402.15		0.0	
P-115											
1Q25	433.50	1/15/2025	NE	32.58	NA	NA	NA	400.92	401.20 - 381.20 (32.30 - 52.30)	0.0	
2Q25		4/3/2025	NE	33.30	NA	NA	NA	400.20		0.0	
3Q25		7/2/2025	NE	31.60	NA	NA	NA	401.90		0.0	*
4Q25		10/3/2025	NE	31.23	NA	NA	NA	402.27		0.0	*
P-116											
1Q25	436.76	1/15/2025	NE	36.00	NA	NA	NA	400.76	399.32 - 379.32 (37.44 - 57.44)	0.0	*
2Q25		4/3/2025	NE	36.71	NA	NA	NA	400.05		0.0	*
3Q25		7/2/2025	NE	34.98	NA	NA	NA	401.78		0.0	*
4Q25		10/2/2025	NE	34.60	NA	NA	NA	402.16		0.0	*
P-117											
1Q25	432.86	1/15/2025	NE	32.26	NA	NA	NA	400.60	399.93 - 379.93 (32.93 - 52.93)	0.0	*
2Q25		4/3/2025	NE	33.21	NA	NA	NA	399.65		0.0	*
3Q25		7/2/2025	NE	31.23	NA	NA	NA	401.63		0.0	*
4Q25		10/3/2025	NE	30.90	NA	NA	NA	401.96		0.0	*
P-118											
1Q25	431.51	1/15/2025	NE	31.17	NA	NA	NA	400.34	400.39 - 384.46 (31.12 - 47.05)	0.0	
2Q25		4/2/2025	NE	31.46	NA	NA	NA	400.05		0.0	
3Q25		7/2/2025	NE	29.97	NA	NA	NA	401.54		0.0	*
4Q25		10/2/2025	NE	29.72	NA	NA	NA	401.79		0.0	*
P-119											
1Q25	432.10	1/15/2025	NE	30.82	NA	NA	NA	401.28	401.43 - 385.50 (30.67 - 46.60)	0.0	
2Q25		4/3/2025	NE	31.61	NA	NA	NA	400.49		0.0	
3Q25		7/2/2025	NE	30.08	NA	NA	NA	402.02		0.0	*
4Q25		10/3/2025	NE	29.55	NA	NA	NA	402.55		0.0	*
P-120											
1Q25	432.99	1/15/2025	NE	31.05	NA	NA	NA	401.94	401.61 - 385.68 (31.38 - 47.31)	0.0	*
2Q25		4/2/2025	NE	31.21	NA	NA	NA	401.78		0.0	*
3Q25		7/2/2025	NE	30.13	NA	NA	NA	402.86		0.0	*
4Q25		10/2/2025	NE	29.65	NA	NA	NA	403.34		0.0	*
P-129											
1Q25	432.64	1/15/2025	NE	33.45	NA	NA	NA	399.19	400.67 - 384.74 (31.97 - 47.90)	0.0	
2Q25		4/3/2025	NE	34.14	NA	NA	NA	398.50		0.0	
3Q25		7/2/2025	NE	31.68	NA	NA	NA	400.96		0.0	*
4Q25		10/2/2025	NE	31.93	NA	NA	NA	400.71		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
ROST-3-MW											
1Q25	442.51	1/14/2025	NE	42.96	NA	NA	NA	399.55	404.70 - 394.70 (37.81 - 47.81)	0.0	
2Q25		4/2/2025	NE	43.36	NA	NA	NA	399.15		0.0	
3Q25		7/1/2025	NE	42.60	NA	NA	NA	399.91		0.0	
4Q25		10/1/2025	NE	41.61	NA	NA	NA	400.90		0.0	
ROST-4-PZ											
1Q25	442.16	1/13/2025	NE	41.82	NA	NA	NA	400.34	407.23 - 397.23 (34.93 - 44.93)	0.0	
2Q25		4/1/2025	NE	42.11	NA	NA	NA	400.05		0.0	
3Q25		7/1/2025	NE	41.68	NA	NA	NA	400.48		0.0	
4Q25		10/1/2025	NE	40.12	NA	NA	NA	402.04		0.0	
ROST-4-PZ(A)											
1Q25	442.15	1/13/2025	NE	42.45	NA	NA	NA	399.70	407.38 - 397.38 (34.77 - 44.77)	0.0	
2Q25		4/1/2025	NE	42.92	NA	NA	NA	399.23		0.0	
3Q25		7/1/2025	NE	42.12	NA	NA	NA	400.03		0.0	
4Q25		10/1/2025	NE	40.98	NA	NA	NA	401.17		0.0	
ROST-4-PZ(B)											
1Q25	442.40	1/13/2025	NE	41.70	NA	NA	NA	400.70	407.35 - 397.35 (35.05 - 45.05)	0.0	
2Q25		4/1/2025	NE	42.81	NA	NA	NA	399.59		0.0	
3Q25		7/1/2025	NE	41.74	NA	NA	NA	400.66		0.0	
4Q25		10/1/2025	NE	39.80	NA	NA	NA	402.60		0.0	
ROST-4-PZ(C)											
1Q25	442.96	1/15/2025	NE	42.79	NA	NA	NA	400.17	408.01 - 398.01 (34.95 - 44.95)	0.0	
2Q25		4/3/2025	NE	43.30	NA	NA	NA	399.66		0.0	
3Q25		7/1/2025	NE	42.62	NA	NA	NA	400.34		0.0	
4Q25		10/1/2025	NE	41.30	NA	NA	NA	401.66		0.0	
ROST-4-PZ(D)											
1Q25	442.91	1/14/2025	NE	42.73	NA	NA	NA	400.18	407.94 - 397.94 (34.97 - 44.97)	0.0	
2Q25		4/2/2025	42.82	42.97	399.94	400.09	0.15	400.06		0.0	
3Q25		7/1/2025	42.45	42.47	400.44	400.46	0.02	400.46		0.0	
4Q25		10/1/2025	NE	40.95	NA	NA	NA	401.96		0.0	
ROST-4-PZ(E)											
1Q25	441.98	1/13/2025	NE	41.40	NA	NA	NA	400.58	407.23 - 397.23 (34.75 - 44.75)	0.0	
2Q25		4/1/2025	NE	41.71	NA	NA	NA	400.27		0.0	
3Q25		7/1/2025	NE	41.04	NA	NA	NA	400.94		0.0	
4Q25		10/1/2025	NE	39.53	NA	NA	NA	402.45		0.0	
ROST-4-PZ(F)											
1Q25	442.12	1/13/2025	NE	40.42	NA	NA	NA	401.70	407.59 - 397.59 (34.53 - 44.53)	0.0	
2Q25		4/1/2025	NE	40.81	NA	NA	NA	401.31		0.0	
3Q25		7/1/2025	NE	40.24	NA	NA	NA	401.88		0.0	
4Q25		10/1/2025	NE	39.35	NA	NA	NA	402.77		0.0	
ROST-4-PZ(G)											
1Q25	442.21	1/14/2025	NE	43.05	NA	NA	NA	399.16	407.93 - 397.93 (34.28 - 44.28)	0.0	
2Q25		4/2/2025	NE	43.56	NA	NA	NA	398.65		0.0	
3Q25		7/1/2025	NE	42.83	NA	NA	NA	399.38		0.0	
4Q25		10/1/2025	NE	41.78	NA	NA	NA	400.43		0.0	
S-1											
1Q25	444.12	1/13/2025	44.12	44.13	399.99	400.00	0.01	400.00	Unknown	140.5	
2Q25		4/2/2025	44.35	45.86	398.26	399.77	1.51	399.47		191.2	
3Q25		7/1/2025	43.78	43.90	400.22	400.34	0.12	400.32		283.3	
4Q25		10/2/2025	42.97	43.06	401.06	401.15	0.09	401.13		190.1	
T-1											
1Q25	445.66	1/13/2025	NE	45.29	NA	NA	NA	400.37	398.66 - 388.66 (47.00 - 57.00)	0.0	*
2Q25		4/1/2025	NE	45.97	NA	NA	NA	399.69		0.0	*
3Q25		7/1/2025	NE	45.08	NA	NA	NA	400.58		0.1	*
4Q25		10/1/2025	NE	44.19	NA	NA	NA	401.47		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
T-2											
1Q25	443.38	1/13/2025	NE	43.20	NA	NA	NA	400.18	392.89 - 372.74 (50.50 - 70.65)	0.0	*
2Q25		4/2/2025	NE	43.65	NA	NA	NA	399.73		0.0	*
3Q25		7/1/2025	NE	42.90	NA	NA	NA	400.48		0.0	*
4Q25		10/2/2025	NE	42.18	NA	NA	NA	401.20		0.0	*
T-3											
1Q25	449.22	1/13/2025	NE	49.13	NA	NA	NA	400.09	404.00 - 389.00 (45.22 - 60.22)	0.0	
2Q25		4/2/2025	NE	49.84	NA	NA	NA	399.38		0.0	
3Q25		7/1/2025	NE	49.12	NA	NA	NA	400.10		0.0	
4Q25		10/2/2025	NE	48.43	NA	NA	NA	400.79		0.0	
T-4											
1Q25	446.82	1/13/2025	NE	47.81	NA	NA	NA	399.01	396.80 - 381.80 (50.02 - 65.02)	0.0	*
2Q25		4/1/2025	NE	48.58	NA	NA	NA	398.24		0.0	*
3Q25		7/2/2025	NE	47.90	NA	NA	NA	398.92		0.0	*
4Q25		10/2/2025	NE	47.41	NA	NA	NA	399.41		0.1	*
T-5											
1Q25	443.67	1/13/2025	NE	43.27	NA	NA	NA	400.40	395.34 - 378.79 (48.33 - 64.88)	3.9	*
2Q25		4/2/2025	NE	43.45	NA	NA	NA	400.22		6.0	*
3Q25		7/1/2025	NE	42.60	NA	NA	NA	401.07		1.2	*
4Q25		10/1/2025	NE	41.76	NA	NA	NA	401.91		6.3	*
T-6											
1Q25	446.79	1/13/2025	NE	47.00	NA	NA	NA	399.79	394.28 - 380.03 (52.51 - 66.76)	0.0	*
2Q25		4/1/2025	NE	47.85	NA	NA	NA	398.94		0.7	*
3Q25		7/1/2025	NE	46.76	NA	NA	NA	400.03		0.4	*
4Q25		10/1/2025	NE	45.91	NA	NA	NA	400.88		1.0	*
T-7											
1Q25	444.27	1/15/2025	NE	42.80	NA	NA	NA	401.47	395.55 - 380.55 (48.72 - 63.72)	2.3	*
2Q25		4/3/2025	NE	43.33	NA	NA	NA	400.94		7.9	*
3Q25		7/3/2025	NE	42.08	NA	NA	NA	402.19		2.9	*
4Q25		10/3/2025	NE	41.45	NA	NA	NA	402.82		0.0	*
T-12											
1Q25	444.98	1/13/2025	NE	46.86	NA	NA	NA	398.12	398.15 - 372.15 (46.83 - 72.83)	0.0	
2Q25		4/1/2025	NE	47.20	NA	NA	NA	397.78		0.8	
3Q25		7/1/2025	NE	46.28	NA	NA	NA	398.70		1.4	*
4Q25		10/1/2025	NE	45.13	NA	NA	NA	399.85		0.8	*
T-13											
1Q25	443.76	1/13/2025	NE	43.33	NA	NA	NA	400.43	399.95 - 373.95 (43.81 - 69.81)	0.0	*
2Q25		4/1/2025	NE	43.89	NA	NA	NA	399.87		0.0	
3Q25		7/1/2025	NE	42.99	NA	NA	NA	400.77		0.0	*
4Q25		10/1/2025	NE	42.10	NA	NA	NA	401.66		0.0	*
T-15											
1Q25	445.34	1/13/2025	NE	44.81	NA	NA	NA	400.53	396.94 - 370.94 (48.40 - 74.40)	0.0	*
2Q25		4/2/2025	NE	45.30	NA	NA	NA	400.04		0.0	*
3Q25		7/1/2025	NE	44.55	NA	NA	NA	400.79		0.0	*
4Q25		10/2/2025	NE	43.88	NA	NA	NA	401.46		0.0	*
T-17											
1Q25	446.23	1/13/2025	NE	44.75	NA	NA	NA	401.48	401.76 - 375.76 (44.47 - 70.47)	0.0	
2Q25		4/2/2025	NE	45.08	NA	NA	NA	401.15		0.0	
3Q25		7/2/2025	NE	43.90	NA	NA	NA	402.33		0.0	*
4Q25		10/2/2025	NE	43.33	NA	NA	NA	402.90		0.0	*
T-19											
1Q25	446.98	1/13/2025	NE	48.05	NA	NA	NA	398.93	396.21 - 370.21 (50.77 - 76.77)	90.0	*
2Q25		4/1/2025	NE	48.72	NA	NA	NA	398.26		2.4	*
3Q25		7/2/2025	NE	47.90	NA	NA	NA	399.08		14.6	*
4Q25		10/2/2025	NE	47.44	NA	NA	NA	399.54		34.3	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
T-21											
1Q25	444.23	1/14/2025	NE	35.16	NA	NA	NA	409.07	412.27 - 386.27 (31.96 - 57.96)	0.0	
2Q25		4/3/2025	NE	35.55	NA	NA	NA	408.68		0.0	
3Q25		7/3/2025	NE	34.25	NA	NA	NA	409.98		0.0	
4Q25		10/3/2025	NE	33.58	NA	NA	NA	410.65		0.0	
T-22											
1Q25	442.38	1/14/2025	NE	36.36	NA	NA	NA	406.02	410.83 - 385.13 (31.55 - 57.25)	0.0	
2Q25		4/3/2025	NE	36.85	NA	NA	NA	405.53		0.0	
3Q25		7/3/2025	NE	35.32	NA	NA	NA	407.06		0.0	
4Q25		10/3/2025	NE	34.75	NA	NA	NA	407.63		0.0	
T-23											
1Q25	432.87	1/15/2025	NE	28.97	NA	NA	NA	403.90	405.64 - 379.64 (27.23 - 53.23)	0.0	
2Q25		4/3/2025	NE	29.56	NA	NA	NA	403.31		0.0	
3Q25		7/2/2025	NE	28.06	NA	NA	NA	404.81		0.0	
4Q25		10/3/2025	NE	27.63	NA	NA	NA	405.24		0.0	
T-24											
1Q25	444.00	1/13/2025	44.93	45.52	398.48	399.07	0.59	398.95	402.50 - 376.85 (41.50 - 67.15)	0.0	
2Q25		4/1/2025	45.65	45.67	398.33	398.35	0.02	398.35		0.0	
3Q25		7/1/2025	44.63	44.76	399.24	399.37	0.13	399.34		0.0	
4Q25		10/1/2025	43.70	43.74	400.26	400.30	0.04	400.29		2.9	
T-28											
1Q25	444.59	1/13/2025	NE	43.61	NA	NA	NA	400.98	Unknown	0.0	
2Q25		4/2/2025	NE	44.13	NA	NA	NA	400.46		0.0	
3Q25		7/2/2025	NE	43.20	NA	NA	NA	401.39		0.0	
4Q25		10/2/2025	NE	42.50	NA	NA	NA	402.09		0.0	
T-37											
1Q25	447.44	1/13/2025	NE	45.83	NA	NA	NA	401.61	398.59 - 378.59 (48.86 - 68.86)	0.0	*
2Q25		4/1/2025	NE	46.35	NA	NA	NA	401.09		0.0	*
3Q25		7/2/2025	NE	44.65	NA	NA	NA	402.79		0.0	*
4Q25		10/2/2025	NE	43.91	NA	NA	NA	403.53		0.0	*
T-38											
1Q25	445.85	1/13/2025	NE	43.01	NA	NA	NA	402.84	396.71 - 376.71 (49.14 - 69.14)	0.0	*
2Q25		4/1/2025	NE	43.60	NA	NA	NA	402.25		0.0	*
3Q25		7/3/2025	NE	41.66	NA	NA	NA	404.19		0.0	*
4Q25		10/2/2025	NE	40.80	NA	NA	NA	405.05		0.0	*
T-41											
1Q25	429.83	1/14/2025	NE	21.42	NA	NA	NA	408.41	411.64 - 391.64 (18.20 - 38.20)	0.0	
2Q25		4/2/2025	NE	20.10	NA	NA	NA	409.73		0.0	
3Q25		7/2/2025	NE	17.80	NA	NA	NA	412.03		0.0	*
4Q25		10/3/2025	NE	17.69	NA	NA	NA	412.14		0.0	*
T-42											
1Q25	434.48	1/14/2025	NE	21.42	NA	NA	NA	413.06	418.31 - 398.31 (16.17 - 36.17)	0.0	
2Q25		4/2/2025	NE	22.07	NA	NA	NA	412.41		0.0	
3Q25		7/2/2025	NE	19.60	NA	NA	NA	414.88		0.0	
4Q25		10/3/2025	NE	19.71	NA	NA	NA	414.77		0.0	
T-43											
1Q25	435.79	1/14/2025	NE	23.20	NA	NA	NA	412.59	416.45 - 396.45 (19.34 - 39.34)	0.0	
2Q25		4/2/2025	NE	23.72	NA	NA	NA	412.07		0.0	
3Q25		7/2/2025	NE	21.58	NA	NA	NA	414.21		0.2	
4Q25		10/3/2025	NE	21.48	NA	NA	NA	414.31		0.0	
T-44											
1Q25	435.25	1/14/2025	NE	22.32	NA	NA	NA	412.93	417.32 - 397.32 (17.93 - 37.93)	0.0	
2Q25		4/2/2025	NE	22.78	NA	NA	NA	412.47		0.0	
3Q25		7/2/2025	NE	20.63	NA	NA	NA	414.62		1.9	
4Q25		10/3/2025	NE	20.57	NA	NA	NA	414.68		0.0	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
T-51											
1Q25	433.93	1/14/2025	NE	20.01	NA	NA	NA	413.92	Unknown	0.0	
2Q25		4/2/2025	NE	20.54	NA	NA	NA	413.39		0.0	
3Q25		7/2/2025	NE	18.05	NA	NA	NA	415.88		0.0	
4Q25		10/3/2025	NE	18.25	NA	NA	NA	415.68		0.0	
T-52											
1Q25	434.28	1/14/2025	NE	20.71	NA	NA	NA	413.57	Unknown	0.0	
2Q25		4/2/2025	NE	21.35	NA	NA	NA	412.93		0.0	
3Q25		7/2/2025	NE	18.67	NA	NA	NA	415.61		0.0	
4Q25		10/3/2025	NE	18.95	NA	NA	NA	415.33		0.0	
T-62											
1Q25	432.15	1/15/2025	NE	30.47	NA	NA	NA	401.68	412.44 - 382.44 (19.71 - 49.71)	0.0	
2Q25		4/2/2025	NE	31.09	NA	NA	NA	401.06		0.0	
3Q25		7/2/2025	NE	29.86	NA	NA	NA	402.29		0.0	
4Q25		10/2/2025	NE	29.35	NA	NA	NA	402.80		0.0	
T-63											
1Q25	431.33	1/15/2025	NE	30.13	NA	NA	NA	401.20	411.35 - 381.35 (19.98 - 49.98)	0.0	
2Q25		4/2/2025	NE	30.74	NA	NA	NA	400.59		0.0	
3Q25		7/2/2025	NE	29.36	NA	NA	NA	401.97		0.0	
4Q25		10/2/2025	NE	28.95	NA	NA	NA	402.38		0.0	
T-64											
1Q25	429.10	1/15/2025	NE	28.13	NA	NA	NA	400.97	409.29 - 379.29 (19.81 - 49.81)	0.0	
2Q25		4/2/2025	NE	28.51	NA	NA	NA	400.59		0.0	
3Q25		7/2/2025	NE	27.11	NA	NA	NA	401.99		0.0	
4Q25		10/2/2025	NE	26.90	NA	NA	NA	402.20		0.0	

NOTES:

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

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

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

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

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

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

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

8) Top of casing and screened interval for the groundwater monitoring wells in the Roxana Interim Groundwater Monitoring Program and the WRR Program were adjusted based on surveying conducted in 4Q24, in accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

TABLE 1b
3Q25 WEEKLY GROUNDWATER MONITORING WELL GAUGING RESULTS

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

NOTES:

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

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

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

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

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

6) Top of casing and screened interval for the groundwater monitoring wells in the Roxana Interim Groundwater Monitoring Program and the WRR Program were adjusted based on surveying conducted in 4Q24, in accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-01					
2Q24	6.89	16.80	0.700	4.02	
4Q24	7.84	18.50	0.630	0.63	
2Q25	6.96	17.30	0.620	0.94	
4Q25	7.21	19.80	0.560	1.76	
P-4U					
2Q24	7.68	15.80	0.770	6.12	
4Q24	7.53	19.50	0.480	0.00	
2Q25	7.07	19.20	0.490	4.30	
4Q25	7.38	19.80	0.530	0.65	
P-6U					
2Q24	6.89	14.90	0.680	4.33	
4Q24	7.69	19.90	0.530	8.66	
2Q25	6.77	16.10	0.600	1.83	
4Q25	7.75	23.10	0.560	2.78	
P-7U					
2Q24	6.75	18.90	1.640	8.19	
4Q24	6.48	19.70	1.370	5.08	
2Q25	6.01	15.10	1.330	1.26	
4Q25	6.92	19.40	1.440	3.69	
P-8U					
2Q24	6.68	20.20	1.150	6.84	
4Q24	7.04	19.90	1.210	1.31	
2Q25	6.54	15.40	0.800	1.91	
4Q25	6.81	20.80	0.970	2.66	
P-014					
2Q24	6.71	16.70	0.600	2.06	
4Q24	7.96	19.10	0.670	0.00	
2Q25	6.81	17.90	0.690	0.85	
4Q25	7.07	19.40	0.650	1.84	
P-15					
2Q24	7.36	15.90	1.900	2.24	
4Q24	7.55	19.30	2.400	0.00	
2Q25	7.01	17.10	1.850	3.37	
4Q25	7.36	20.80	1.800	1.84	
P-16					
2Q24	6.92	14.10	0.920	4.30	
4Q24	7.32	18.30	1.060	5.35	
2Q25	6.29	15.80	0.820	1.18	
4Q25	6.78	22.80	0.940	3.40	
P-17					
2Q24	6.99	24.50	0.610	3.08	
4Q24	6.72	19.10	0.700	0.44	
2Q25	6.32	14.90	0.780	1.09	
4Q25	6.46	15.70	0.620	1.06	

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-43					
2Q24	6.81	18.70	1.000	6.47	
4Q24	7.07	19.50	1.120	2.04	
2Q25	7.09	15.80	1.140	2.19	
4Q25	7.15	18.60	1.170	3.17	
P-55R					
2Q24	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q24	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q25	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-56					
2Q24	7.17	20.30	0.989	8.54	
4Q24	7.34	18.85	0.991	21.31	
2Q25	7.06	20.50	1.118	1.67	
4Q25	6.85	18.05	1.300	7.30	
P-59					
2Q24	6.63	20.00	1.535	9.34	
4Q24	6.85	22.10	1.564	0.00	
2Q25	6.87	23.30	1.299	7.65	
4Q25	6.90	21.04	1.657	0.00	
P-60					
2Q24	6.75	18.40	1.904	8.48	
4Q24	6.90	16.20	1.910	2.33	
2Q25	6.42	17.10	1.403	9.35	
4Q25	6.47	22.40	1.620	5.30	
P-81A					
2Q24	6.35	16.60	0.580	38.60	
4Q24	6.85	20.90	0.590	4.00	
2Q25	6.49	17.90	0.610	7.92	
4Q25	6.56	20.90	0.660	13.80	
P-81B					
2Q24	7.06	15.40	1.510	4.75	
4Q24	7.73	22.60	1.180	0.00	
2Q25	6.74	17.10	1.170	1.35	
4Q25	7.40	19.90	0.960	1.16	
P-81C					
2Q24	7.10	14.80	1.090	8.79	
4Q24	7.46	20.50	1.100	1.48	
2Q25	6.75	17.30	1.230	1.66	
4Q25	7.45	18.70	1.120	2.51	
P-81D					
2Q24	6.93	14.30	1.190	46.30	
4Q24	7.46	19.40	1.150	0.96	
2Q25	6.58	17.20	1.180	1.97	
4Q25	7.32	19.40	1.080	2.41	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-82A					
2Q24	6.85	15.40	2.170	6.82	
4Q24	7.66	22.50	2.830	0.00	
2Q25	6.24	18.50	2.550	5.85	
4Q25	6.83	21.60	2.830	0.54	
P-82B					
2Q24	6.94	13.80	1.200	3.58	
4Q24	7.65	20.50	1.100	0.00	
2Q25	6.54	17.30	1.290	1.31	
4Q25	6.82	19.20	1.060	0.54	
P-82C					
2Q24	7.00	14.10	0.850	1.44	
4Q24	7.68	16.70	0.970	0.00	
2Q25	6.59	17.30	1.000	1.01	
4Q25	6.84	18.50	0.950	1.50	
P-82D					
2Q24	7.03	13.80	0.830	4.15	
4Q24	7.68	17.10	0.900	0.00	
2Q25	6.54	17.70	0.890	3.71	
4Q25	7.88	18.70	0.880	7.85	
P-83A					
2Q24	6.69	15.60	1.260	3.82	
4Q24	6.83	17.70	1.460	5.14	
2Q25	6.76	14.50	2.580	1.17	
4Q25	7.09	18.80	2.200	7.67	
P-83B					
2Q24	6.69	15.20	1.060	1.32	
4Q24	6.89	17.40	0.950	0.18	
2Q25	6.51	13.70	1.710	0.95	
4Q25	6.85	18.00	0.820	3.13	
P-83C					
2Q24	6.72	15.20	1.190	2.33	
4Q24	6.66	17.80	1.150	1.42	
2Q25	6.72	13.60	1.210	0.86	
4Q25	6.97	17.70	1.250	0.68	
P-83D					
2Q24	7.12	14.70	1.100	2.24	
4Q24	7.38	19.30	1.010	3.95	
2Q25	6.55	13.40	1.070	0.70	
4Q25	6.99	17.60	1.130	1.02	
P-84A					
2Q24	6.71	16.00	0.920	0.83	
4Q24	6.65	15.10	0.750	0.14	
2Q25	6.14	15.80	0.680	1.26	
4Q25	7.01	16.30	0.720	1.21	

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-84B					
2Q24	6.54	15.50	1.060	2.03	
4Q24	7.03	15.40	1.010	1.61	
2Q25	5.93	16.70	1.200	0.97	
4Q25	6.93	16.50	1.050	3.45	
P-84C					
2Q24	6.70	15.80	1.040	6.38	
4Q24	6.90	15.20	1.020	1.62	
2Q25	6.58	16.30	1.240	1.50	
4Q25	7.15	16.50	1.080	3.00	
P-84D					
2Q24	6.65	15.30	1.290	1.75	
4Q24	7.29	15.60	1.220	0.30	
2Q25	6.03	16.70	1.300	3.81	
4Q25	7.36	16.50	1.240	2.97	
P-85B					
4Q25	6.83	21.20	0.550	19.90	
P-85C					
4Q25	7.16	18.70	0.770	3.36	
P-85D					
4Q25	7.20	18.20	1.050	2.03	
P-86A					
2Q24	6.27	19.60	0.620	2.30	
4Q24	6.33	20.60	0.480	0.81	
2Q25	6.39	14.20	0.430	1.79	
4Q25	6.70	20.80	0.420	3.88	
P-86B					
2Q24	7.05	20.60	0.440	2.19	
4Q24	7.11	16.40	0.470	0.08	
2Q25	7.13	15.10	0.520	1.09	
4Q25	7.62	20.30	0.700	0.39	
P-86C					
2Q24	7.24	20.90	0.520	1.06	
4Q24	7.62	18.00	0.400	0.78	
2Q25	7.03	16.50	0.370	1.21	
4Q25	7.67	19.30	0.360	1.23	
P-86D					
2Q24	6.79	20.90	0.820	6.87	
4Q24	7.36	18.90	0.870	1.34	
2Q25	6.46	15.60	0.960	1.85	
4Q25	7.33	18.70	1.030	1.95	
P-87B					
4Q25	7.20	17.60	0.760	8.83	
P-87C					
4Q25	7.22	15.20	1.480	45.50	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-87D					
4Q25	7.48	19.40	1.010	16.40	
P-88A					
2Q24	6.65	16.20	1.030	8.60	
4Q24	7.26	17.40	0.990	9.30	
2Q25	6.54	19.10	1.000	4.67	
4Q25	7.32	19.20	1.150	46.60	
P-88B					
2Q24	6.84	15.90	0.970	1.12	
4Q24	7.21	17.00	0.830	0.00	
2Q25	6.59	16.80	0.820	3.49	
4Q25	7.12	17.50	0.840	1.34	
P-88C					
2Q24	7.08	16.00	1.050	1.29	
4Q24	7.82	17.80	0.720	3.66	
2Q25	6.65	16.30	0.850	2.17	
4Q25	7.43	17.10	1.020	0.60	
P-88D					
2Q24	6.88	16.10	0.920	7.07	
4Q24	7.53	17.00	0.720	0.00	
2Q25	6.87	17.00	0.770	2.62	
4Q25	7.75	17.90	0.750	3.00	
P-93A					
2Q24	6.71	19.60	1.118	2.00	
4Q24	6.82	19.57	1.221	5.41	
2Q25	6.56	22.00	1.128	0.00	
4Q25	6.77	24.11	1.237	1.32	
P-93B					
2Q24	6.70	17.50	1.270	4.92	
4Q24	6.88	19.28	0.985	130.31*	
2Q25	6.69	20.70	0.804	7.27	
4Q25	6.82	23.33	1.055	4.39	
P-93C					
2Q24	6.81	17.20	1.266	12.46	
4Q24	7.02	17.88	0.993	4.47	
2Q25	6.91	20.40	0.666	0.00	
4Q25	7.26	22.25	0.505	2.45	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	General Notes
P-93D					
2Q24	7.01	17.83	0.969	0.00	
4Q24	7.18	18.32	1.140	5.43	
2Q25	6.93	19.10	1.087	6.34	
4Q25	7.15	25.38	1.011	5.21	
P-94					
2Q24	6.71	21.40	0.840	1.81	
4Q24	7.15	20.80	0.770	1.16	
2Q25	7.13	15.10	0.790	1.10	
4Q25	7.11	17.70	0.880	1.19	
P-95					
2Q24	6.39	20.10	0.730	8.79	
4Q24	6.23	15.10	0.740	7.48	
2Q25	6.17	19.20	0.800	7.36	
4Q25	6.86	20.90	0.820	13.20	
T-1					
2Q24	6.60	22.20	1.410	4.50	
4Q24	7.18	18.70	1.420	130.00*	
2Q25	6.66	20.70	1.640	45.48	
4Q25	6.99	21.10	1.420	42.90	
T-12					
2Q24	6.65	19.50	1.620	1.20	
4Q24	6.86	18.29	1.381	0.00	
2Q25	6.77	22.40	1.189	6.54	
4Q25	6.90	20.78	1.405	0.00	
T-13					
2Q24	7.71	22.30	0.750	4.08	
4Q24	8.27	19.50	0.470	2.21	
2Q25	7.60	18.60	0.510	3.97	
4Q25	7.49	19.80	0.640	1.91	
T-41					
4Q25	5.73	19.70	0.290	1.84	

NOTES:

1) Field parameters were collected using a Hanna 991301 (pH, temperature, and specific conductance) and a Lamotte 2020we (turbidity).

2) Field parameters for shared well locations in the Village of Roxana Interim Groundwater Monitoring Program and the WRB Refining LP Wood River Refinery Program were collected using a YSI ProDSS.

3) Field parameters for Roxana Interim Groundwater Monitoring Program well locations included in the WRR RCRA Part B permit as GMZ boundary wells are included in Table 2b.

4) NM = Not Measured

5) * = Equipment malfunction. Results are suspect.

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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-01[GMZ]							
1Q25	6.75	15.38	1.301	1.63	0.71	106.66	Initial sample.
	6.85	14.41	0.963	26.74	0.92	46.39	Confirmation sample.
2Q25	6.65	19.12	1.287	3.13	1.01	93.85	
3Q25	6.72	20.80	1.089	17.57	0.89	108.21	
4Q25	6.94	17.84	0.995	0.00	0.54	112.73	
MW-02							
1Q25	7.10	15.77	0.891	5.04	0.70	-28.64	
2Q25	7.10	19.65	0.882	7.18	1.12	-29.13	
3Q25	7.00	20.42	0.812	8.44	0.77	-3.14	
4Q25	7.19	19.58	0.784	0.00	0.37	-13.99	
MW-03[GMZ]							
1Q25	6.78	17.29	1.032	5.41	0.68	130.86	
2Q25	6.71	16.87	1.173	0.00	0.92	-0.90	
3Q25	6.74	21.00	1.428	0.00	0.47	-142.80	
4Q25	6.81	16.63	1.100	0.00	0.51	19.32	
MW-04							
1Q25	6.73	15.62	1.171	8.97	0.69	40.83	
2Q25	6.77	19.28	0.925	16.69	1.53	66.84	
3Q25	6.77	20.84	0.919	3.30	0.52	-89.14	
4Q25	7.04	21.19	1.244	17.76	3.20	-133.67	Initial sample.
	7.04	17.38	0.865	40.69	0.74	109.58	Confirmation sample.
MW-05[GMZ]							
1Q25	6.92	14.79	1.242	12.51	0.68	133.44	
2Q25	6.66	18.19	1.324	1.50	0.91	-53.76	
3Q25	6.67	21.80	1.208	0.00	0.34	-139.20	
4Q25	6.76	16.91	1.299	0.00	0.46	-88.81	
MW-06A[GMZ]							
1Q25	6.94	16.32	1.023	26.24	0.62	-11.17	
2Q25	6.71	21.20	1.223	5.31	0.90	-34.36	
3Q25	6.79	21.88	0.763	16.34	0.78	-135.70	
4Q25	6.86	19.04	0.830	0.00	0.37	-98.83	
MW-06B[GMZ]							
1Q25	7.23	16.72	0.852	6.31	0.74	97.84	
2Q25	7.05	19.16	0.962	3.88	0.85	-17.78	
3Q25	7.07	21.67	0.651	0.00	0.92	-115.65	
4Q25	7.20	18.43	0.580	0.00	0.47	-22.16	
MW-06C[GMZ]							
1Q25	7.00	16.97	0.825	3.66	0.80	43.40	
2Q25	6.92	18.51	1.038	7.94	0.98	57.44	
3Q25	6.85	19.57	0.770	0.00	0.92	-57.42	
4Q25	7.09	17.93	0.594	0.00	0.46	-8.67	
MW-06D[GMZ]							
1Q25	6.85	16.43	1.192	4.90	0.71	143.30	
2Q25	7.00	18.63	0.777	49.67	2.04	64.09	
3Q25	7.02	19.82	0.929	0.33	0.88	-117.88	
4Q25	6.91	16.94	0.989	0.00	0.63	149.68	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-07							
1Q25	6.70	36.82	0.974	10.51	0.49	-42.97	
2Q25	6.66	36.80	1.093	12.95	0.98	46.61	
3Q25	NM	NM	NM	NM	NM	NM	Not sampled due to operation of FPWY SEE System
4Q25	NM	NM	NM	NM	NM	NM	Not sampled due to operation of FPWY SEE System
MW-09							
1Q25	6.76	15.30	0.945	31.98	0.70	201.60	
2Q25	6.82	17.03	1.027	16.07	0.83	-28.01	
3Q25	6.68	20.31	0.909	1.82	0.51	-88.03	
4Q25	6.74	18.83	0.960	35.49	0.40	-60.58	
MW-10[GMZ]							
1Q25	6.87	16.00	1.573	25.11	0.74	184.70	
2Q25	6.83	18.06	2.237	33.50	0.81	21.62	
3Q25	6.85	20.36	1.736	15.30	0.40	-122.98	
4Q25	6.87	19.12	1.630	16.56	0.30	-96.28	
MW-11[GMZ]							
1Q25	6.89	14.46	1.761	18.63	0.64	-58.49	
2Q25	6.74	17.66	1.552	25.51	0.93	-7.54	
3Q25	6.71	20.81	1.351	34.96	0.97	-101.77	
4Q25	6.77	17.69	1.434	111.28	0.48	46.39	
MW-12							
1Q25	6.90	14.38	0.908	2.29	1.69	131.04	Initial sample.
	6.77	16.11	0.729	7.62	0.85	181.58	Confirmation sample.
2Q25	6.79	16.95	1.062	2.98	0.93	91.03	
3Q25	6.88	20.86	0.704	12.10	1.14	76.53	
4Q25	6.78	16.97	0.921	0.00	0.92	202.65	
MW-13							
1Q25	6.57	19.30	1.209	40.74	0.64	151.10	
2Q25	6.46	21.34	1.127	31.28	0.82	67.16	
3Q25	6.54	22.13	1.174	9.73	1.23	-83.83	
4Q25	6.43	18.27	1.421	36.51	0.42	0.42	
MW-14[GMZ]							
1Q25	6.47	17.62	1.160	3.69	0.61	14.88	
2Q25	6.40	18.65	1.381	3.03	1.06	12.06	
3Q25	6.56	22.53	1.265	39.36	0.96	-27.26	
4Q25	6.58	18.89	1.549	0.00	0.39	82.47	
MW-16[GMZ]							
1Q25	6.85	17.39	1.178	3.01	3.05	-128.39	Initial sample.
	6.78	15.91	0.914	1.44	0.86	-51.98	Confirmation sample.
2Q25	6.60	16.77	1.193	3.09	0.82	82.08	
3Q25	6.83	22.83	0.928	0.00	0.85	-127.13	
4Q25	6.71	17.04	0.893	0.00	0.39	105.28	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-22[GMZ]							
1Q25	6.90	16.10	1.327	9.05	0.80	-39.50	
2Q25	6.67	19.07	1.378	2.15	1.30	56.21	
3Q25	6.65	21.41	1.039	13.97	0.82	-102.86	
4Q25	6.86	21.89	1.291	1.14	3.33	-123.83	
MW-23							
1Q25	6.79	16.24	1.080	23.21	0.64	113.93	
2Q25	6.63	17.46	1.128	19.81	0.90	4.80	
3Q25	6.43	21.20	0.865	8.56	0.34	-100.70	
4Q25	6.60	17.44	1.078	0.00	0.43	-39.07	
MW-24							
1Q25	6.88	17.88	1.640	7.17	0.56	99.63	Initial sample.
	6.95	14.01	1.302	10.53	0.83	117.62	Confirmation sample.
2Q25	6.68	21.29	1.231	12.48	1.52	93.41	
3Q25	17.38*	20.55	1.113	5.47	1.68	56.29	
4Q25	6.91	19.77	1.475	8.53	1.18	41.78	Initial sample.
	6.68	13.56	1.392	14.40	1.98	143.22	Confirmation sample.
MW-25							
1Q25	6.70	33.11	1.079	12.44	0.42	-48.12	
2Q25	6.62	31.95	1.104	32.25	1.23	-1.32	
3Q25	6.27	46.83	1.091	18.46	0.31	-114.82	
4Q25	NM	NM	NM	NM	NM	NM	Not sampled due to operation of FPWY SEE System
MW-26[GMZ]							
1Q25	7.26	16.60	0.906	4.57	0.91	96.00	
2Q25	6.90	17.74	1.029	5.25	0.94	88.37	
3Q25	6.76	21.24	0.722	3.11	0.95	108.56	
4Q25	6.79	17.98	0.854	0.00	1.28	210.98	
MW-27							
1Q25	7.01	16.59	0.849	17.37	3.90	143.00	
2Q25	6.93	18.98	1.028	13.26	5.59	102.76	
3Q25	6.89	22.48	0.810	13.70	4.51	103.48	
4Q25	6.90	16.57	0.791	0.00	4.55	104.74	
MW-28[GMZ]							
1Q25	6.82	17.67	1.106	35.51	0.79	130.83	
2Q25	6.60	19.01	1.239	6.93	1.34	45.26	
3Q25	6.74	19.81	1.990	28.42	0.33	-105.05	
4Q25	6.77	19.05	1.069	0.00	3.17	94.64	
P-54							
1Q25	6.80	14.98	1.195	4.16	4.09	110.22	Initial sample.
	6.92	11.37	0.902	0.00	5.48	127.06	Confirmation sample.
2Q25	6.58	17.31	1.139	0.72	3.35	229.00	
3Q25	6.71	20.62	1.044	0.00	5.18	125.67	
4Q25	6.85	16.89	1.025	0.00	4.78	86.26	
P-55R							
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-56							
1Q25	6.91	17.57	1.065	2.85	0.51	-4.56	
2Q25	7.06	20.50	1.118	1.67	0.45	91.40	
3Q25	6.97	22.65	1.275	4.77	0.46	-114.37	
4Q25	6.85	18.05	1.300	7.30	0.39	40.89	
P-57							
1Q25	6.72	17.34	1.086	0.52	0.50	-48.86	
2Q25	6.58	19.55	1.145	2.03	1.71	59.34	
3Q25	6.54	22.84	0.930	0.00	0.48	-104.07	
4Q25	6.54	18.16	1.074	0.00	0.33	-24.07	
P-58							
1Q25	6.91	29.20	1.121	12.39	0.57	90.00	
2Q25	6.43	30.20	1.011	9.69	0.56	119.70	
3Q25	6.52	31.77	1.503	0.00	0.33	-114.37	
4Q25	6.55	47.64	1.204	9.51	0.21	-225.81	
P-59							
1Q25	6.83	15.16	1.701	9.22	0.67	116.76	
2Q25	6.87	23.30	1.299	7.65	0.50	94.40	
3Q25	6.69	25.09	1.521	2.57	0.24	-117.89	
4Q25	6.90	21.04	1.657	0.00	0.28	-82.99	
P-66							
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-68							
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-74							
1Q25	6.61	14.03	1.033	10.04	0.68	125.57	
2Q25	6.27	20.80	0.519	35.00	0.60	80.40	
3Q25	6.51	22.83	0.820	3.21	0.36	-87.66	
4Q25	6.39	19.14	0.874	0.00	0.49	-4.73	
P-93A							
1Q25	6.90	17.20	1.444	1.80	0.67	97.50	
2Q25	6.56	22.00	1.128	0.00	0.62	128.60	
3Q25	6.64	25.97	1.205	0.00	0.54	-98.66	
4Q25	6.77	24.11	1.237	1.32	0.52	-100.20	
P-93B							
1Q25	6.99	17.40	1.234	8.81	0.67	114.60	
2Q25	6.69	20.70	0.804	7.27	0.65	103.00	
3Q25	6.69	22.40	1.210	0.00	0.25	-83.14	
4Q25	6.82	23.33	1.055	4.39	0.51	-96.47	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 2b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-93C							
1Q25	6.83	16.50	1.014	1.62	0.72	132.20	
2Q25	6.91	20.40	0.666	0.00	0.60	122.50	
3Q25	6.99	25.77	0.850	15.89	0.58	-113.39	
4Q25	6.82	23.33	1.055	4.39	0.51	-96.47	
P-93D							
1Q25	7.04	16.81	1.139	1.56	1.09	-8.65	
2Q25	6.93	19.10	1.087	6.34	0.50	150.20	
3Q25	7.01	23.87	1.019	6.21	0.44	-110.75	
4Q25	7.15	25.38	1.011	5.21	0.53	-89.09	
P-114R							
1Q25	6.77	19.88	1.034	26.85	0.60	86.61	
2Q25	6.62	21.45	0.702	26.26	1.18	84.48	
3Q25	6.57	23.55	0.966	16.76	0.79	-111.07	
4Q25	6.68	21.39	1.045	39.71	1.62	-83.87	
ROST-3-MW[GMZ]							
1Q25	6.69	16.40	1.360	26.08	0.72	127.50	
2Q25	6.60	17.99	1.322	20.50	1.37	29.74	
3Q25	6.77	21.00	0.890	0.00	0.43	-102.40	
4Q25	6.80	18.07	1.052	0.00	0.44	48.40	
ROST-4-PZ(C)							
1Q25	6.95	16.24	1.830	0.96	0.53	-17.73	
2Q25	6.86	20.26	1.680	14.21	1.43	70.61	
3Q25	6.80	20.80	1.402	0.00	0.44	-126.08	
4Q25	7.07	21.35	1.494	6.94	4.04	-178.65	
ROST-4-PZ(E)							
1Q25	7.15	11.10	1.715	18.67	4.93	152.00	
2Q25	6.86	19.85	1.713	6.63	3.03	150.49	
3Q25	6.70	20.72	1.472	4.95	5.06	170.42	
4Q25	6.86	18.89	1.702	0.00	3.38	77.39	
ROST-4-PZ(G)							
1Q25	7.04	15.47	1.866	5.75	0.48	-83.12	
2Q25	6.89	20.95	1.680	3.25	1.29	-2.45	
3Q25	6.77	22.00	1.320	0.00	0.31	-151.30	
4Q25	6.94	21.10	1.441	0.00	3.97	-152.33	
T-12							
1Q25	7.01	15.71	1.408	3.08	0.67	107.38	
2Q25	6.77	22.40	1.189	6.54	0.54	70.60	
3Q25	6.73	24.14	1.213	12.11	0.27	-139.65	
4Q25	6.90	20.78	1.405	0.00	0.31	-165.85	

NOTES:

1) Field parameters were collected using a YSI ProDSS.

2) NM = Not Measured

3) * = Equipment malfunction. Results are suspect.

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

5) [GMZ] = Village of Roxana Interim Groundwater Monitoring Program well locations included in WRR RCRA Part B Permit as GMZ boundary wells.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			0.005 [1]	2.3 [1]	0.38 [1]	0.7 [1]	0.038 [1]	0.077 [1]	1 [1]	10 [1]		10 [1]	0.23 [1]	1.2 [1]		0.00025 [1]	0.21 [3]	0.006 [1]	0.025 [1]		0.14 [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-01	P01-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011	< 0.011
	P01-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P01-WRR-040925	4/9/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.0099
	P01-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-4U	P4U-WRR-040524	4/5/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P4U-WRR-100824	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P4U-WRR-100824-DUP	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P4U-WRR-040725	4/7/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P4U-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-6U	P6U-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.011	< 0.011
	P6U-WRR-100924	10/9/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P6U-WRR-040925	4/9/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P6U-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-7U	P7U-WRR-041124	4/11/2024	0.0068	< 0.025	< 0.0010	< 0.0010	0.0012	< 0.0050	< 0.0010	0.00084 J	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P7U-WRR-041124-DUP	4/11/2024	0.0073	0.0026 J	< 0.0010	< 0.0010	0.0013	< 0.0050	< 0.0010	0.00084 J	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P7U-WRR-100924	10/9/2024	0.00083 J	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P7U-WRR-100924-DUP	10/9/2024	0.00065 J	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P7U-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0017	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P7U-WRR-041125-DUP	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0017	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P7U-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-8U	P8U-WRR-041624	4/16/2024	< 0.0050 UJ	< 0.13 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.025 UJ	< 0.0050 UJ	< 0.025 UJ	< 0.025 UJ	< 0.05 UJ	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P8U-WRR-101124	10/11/2024	< 0.0050 UJ	--	--	< 0.0050 UJ	--	< 0.025 UJ	< 0.0050 UJ	< 0.025 UJ	< 0.025 UJ	< 0.05 UJ	--	--	--	--	--	--	--	--	--
	P8U-WRR-041125	4/11/2025	< 0.0050 UJ	< 0.13 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.025 UJ	< 0.0050 UJ	< 0.025 UJ	< 0.025 UJ	< 0.05 UJ	0.000096 J	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P8U-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P8U-WRR-101625-DUP	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-014	P014-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P014-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P014-WRR-040925	4/9/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.0099
	P014-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-15	P15-WRR-040524	4/5/2024	0.0023	0.0080 J	< 0.0010	0.00059 J	0.00033 J	< 0.0050	0.0062	0.0098	0.0016 J	0.011	0.00046	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.0099
	P15-WRR-040524-DUP	4/5/2024	0.0025	0.0063 J	< 0.0010	0.00056 J	0.00033 J	< 0.0050	0.0062	0.0094	0.0016 J	0.011	0.00049	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P15-WRR-100824	10/8/2024	0.011	--	--	< 0.0010	--	< 0.0050	0.0047	0.011	< 0.0050	0.013	--	--	--	--	--	--	--	--	--
	P15-WRR-040725	4/7/2025	0.0012	0.0076 J	< 0.0010	< 0.0010	< 0.0010	< 0.0050	0.0043	0.0086	< 0.0050	0.01	0.00041	< 0.00020	0.0044 J	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P15-WRR-040725-DUP	4/7/2025	0.0012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	0.0040	0.0091	< 0.0050	0.011	0.00044	< 0.00020	0.0048 J	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.0098
	P15-WRR-101525	10/15/2025	0.0014	--	--	0.00080 J	--	< 0.0050	0.0053	0.013	< 0.0050	0.015	--	--	--	--	--	--	--	--	--
P-16	P16-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P16-WRR-100924	10/9/2024	0.00051 J	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P16-WRR-040925	4/9/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.0099
	P16-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P16-WRR-101525-DUP	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			**0.005** [1]	**2.3** [1]	**0.38** [1]	**0.7** [1]	**0.038** [1]	**0.077** [1]	**1** [1]	**10** [1]		**10** [1]	**0.23** [1]	**1.2** [1]		**0.00025** [1]	**0.21** [3]	**0.006** [1]	**0.025** [1]		**0.14** [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-17	P17-WRR-041524	4/15/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010 UJ	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	0.0042 J	< 0.011
	P17-WRR-101124	10/11/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P17-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P17-WRR-100825	10/8/2025	< 0.00050	--	--	< 0.00050	--	0.00044 J	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-43	P43-WRR-041724	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	0.00090 J	0.015	0.0058	0.021	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01 UJ	< 0.01
	P43-WRR-041724-DUP	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	0.014	0.0055	0.019	< 0.00020	0.000067 J	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P43-WRR-101124	10/11/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	0.013	0.0050	0.018	--	--	--	--	--	--	--	--	--
	P43-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.00070 J	< 0.0050	< 0.0010	0.023	0.0070	0.029	< 0.00020	< 0.00020	0.0010 J	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.0098
	P43-WRR-041125-DUP	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.00065 J	< 0.0050	< 0.0010	0.025	0.0081	0.033	< 0.00020	< 0.00020	0.0011 J	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.0098
	P43-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	0.016	0.0061	0.023	--	--	--	--	--	--	--	--	--
P-56	P56-WRR-041824	4/18/2024	0.00063 J	< 0.025	0.00089 J	< 0.0010	< 0.0010	< 0.0050	< 0.0010	0.0014 J	< 0.0050	< 0.01	0.00041	0.000061 J	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.011 UJ	< 0.011
	P56-WRR-101524	10/15/2024	< 0.0050	--	--	0.11	--	0.016 J	< 0.0050	0.12	< 0.025	0.12	--	--	--	--	--	--	--	--	--
	P56-WRR-041625	4/16/2025	< 0.0050	< 0.13	< 0.0050	0.16	< 0.0050	< 0.025	< 0.0050	0.12	< 0.025	0.12	0.0011 J	< 0.00020 UJ	< 0.0099 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.0099 UJ	< 0.00020 UJ	< 0.0099 UJ	< 0.0099 UJ
	P56-WRR-101725	10/17/2025	0.0013 J	--	--	0.13	--	0.015	0.0024	0.18	0.0088 J	0.19	--	--	--	--	--	--	--	--	--
P-59	P59-WRR-041924	4/19/2024	0.91	0.051 J	< 0.0050	0.072	< 0.0050	0.026	0.057	0.11	0.0034 J	0.12	0.00047	0.00052	< 0.011	0.00012 J	< 0.00021	< 0.011	0.00020 J	< 0.011	< 0.011
	P59-WRR-101624	10/16/2024	0.91	--	--	0.3	--	0.055	0.12	0.37	< 0.025	0.38	--	--	--	--	--	--	--	--	--
	P59-WRR-041625	4/16/2025	0.61	0.014 J	< 0.0050	0.18	< 0.0050	0.032	0.11	0.34	0.023 J	0.36	0.00051	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P59-WRR-101725	10/17/2025	0.57	--	--	0.19	--	0.036 J	0.083	0.35	< 0.05	0.35	--	--	--	--	--	--	--	--	--
P-60	P60-WRR-041824	4/18/2024	0.7	0.025 J	< 0.0050	0.0071	0.0074	< 0.025	0.021	0.036	0.0033 J	0.039 J	0.0018	0.00067	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01 UJ	< 0.01
	P60-WRR-041824-DUP	4/18/2024	0.75	0.021 J	< 0.0050	0.012	0.0088	< 0.025	0.027	0.049	0.0037 J	0.052	0.0019	0.00074	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P60-WRR-101624	10/16/2024	0.47	--	--	0.054	--	< 0.025	0.029	0.11	< 0.025	0.12	--	--	--	--	--	--	--	--	--
	P60-WRR-101624-DUP	10/16/2024	0.53	--	--	0.061	--	< 0.025	0.031	0.13	< 0.025	0.14	--	--	--	--	--	--	--	--	--
	P60-WRR-041725	4/17/2025	0.81	< 0.13	< 0.0050	0.083	0.0083	0.016 J	0.094	0.14	< 0.025	0.15	0.0033	0.00064	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01 UJ
	P60-WRR-041725-DUP	4/17/2025	0.64	< 0.13	< 0.0050	0.095	0.0087	0.015 J	0.097	0.16	< 0.025	0.16	0.0033	0.00070	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099 UJ
	P60-WRR-101025	10/10/2025	0.76	--	--	0.073 J	--	0.0056	0.038	0.13 J	0.0029	0.14	--	--	--	--	--	--	--	--	--
	P60-WRR-101025-DUP	10/10/2025	0.79	--	--	0.1 J	--	0.0058	0.044	0.18 J	0.0033	0.18	--	--	--	--	--	--	--	--	--
P-81A	P81A-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P81A-WRR-100424	10/4/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P81A-WRR-040725	4/7/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P81A-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-81B	P81B-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P81B-WRR-100424	10/4/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P81B-WRR-040725	4/7/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020 UJ	< 0.01 UJ	< 0.00020	< 0.01	< 0.01 UJ
	P81B-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-81C	P81C-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P81C-WRR-100424	10/4/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P81C-WRR-040725	4/7/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P81C-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			0.005 [1]	2.3 [1]	0.38 [1]	0.7 [1]	0.038 [1]	0.077 [1]	1 [1]	10 [1]		10 [1]	0.23 [1]	1.2 [1]		0.00025 [1]	0.21 [3]	0.006 [1]	0.025 [1]		0.14 [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-81D	P81D-WRR-040424	4/4/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P81D-WRR-100424	10/4/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P81D-WRR-040725	4/7/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P81D-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-82A	P82A-WRR-040524	4/5/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P82A-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P82A-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P82A-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P82A-WRR-101525-DUP	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-82B	P82B-WRR-040524	4/5/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.00025 J	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P82B-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P82B-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P82B-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-82C	P82C-WRR-040524	4/5/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00018 J	0.000057 J	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011	< 0.011
	P82C-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P82C-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P82C-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-82D	P82D-WRR-040524	4/5/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.0098
	P82D-WRR-100724	10/7/2024	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P82D-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P82D-WRR-101525	10/15/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-83A	P83A-WRR-041224	4/12/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P83A-WRR-100924	10/9/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P83A-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P83A-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-83B	P83B-WRR-041224	4/12/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.011	< 0.011
	P83B-WRR-100924	10/9/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P83B-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P83B-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-83C	P83C-WRR-041224	4/12/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P83C-WRR-100924	10/9/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P83C-WRR-041125	4/11/2025	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P83C-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-83D	P83D-WRR-041224	4/12/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P83D-WRR-100924	10/9/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P83D-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097 UJ	< 0.0097
	P83D-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-84A	P84A-WRR-041124	4/11/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00017 J	0.00013 J	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P84A-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P84A-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01 UJ
	P84A-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			0.005 [1]	2.3 [1]	0.38 [1]	0.7 [1]	0.038 [1]	0.077 [1]	1 [1]	10 [1]		10 [1]	0.23 [1]	1.2 [1]		0.00025 [1]	0.21 [3]	0.006 [1]	0.025 [1]		0.14 [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-84B	P84B-WRR-041124	4/11/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P84B-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P84B-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099 UJ
	P84B-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-84C	P84C-WRR-041124	4/11/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00011 J	0.000074 J	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P84C-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P84C-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.01 UJ
	P84C-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-84D	P84D-WRR-041124	4/11/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00021	0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P84D-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P84D-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099 UJ
	P84D-WRR-101725	10/17/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-85B	P85B-WRR-100725	10/7/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P85B-WRR-100725-DUP	10/7/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-85C	P85C-WRR-100725	10/7/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-85D	P85D-WRR-101025	10/10/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-86A	P86A-WRR-041524	4/15/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	0.0034 J	< 0.01
	P86A-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P86A-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099
	P86A-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-86B	P86B-WRR-041524	4/15/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	0.0035 J	< 0.011
	P86B-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P86B-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P86B-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-86C	P86C-WRR-041524	4/15/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00023	< 0.00023	< 0.011	< 0.00023	< 0.00023	< 0.011	< 0.00023	0.0037 J	< 0.011
	P86C-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P86C-WRR-041025	4/10/2025	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020 UJ	< 0.01 UJ	< 0.00020	< 0.01 UJ	< 0.01
	P86C-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-86D	P86D-WRR-041524	4/15/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	0.0039 J	< 0.011
	P86D-WRR-101024	10/10/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P86D-WRR-041025	4/10/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P86D-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-87B	P87B-WRR-100825	10/8/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-87C	P87C-WRR-101025	10/10/2025	0.048 J	--	--	< 0.00050 UJ	--	< 0.0010 UJ	< 0.00050 UJ	< 0.0010 UJ	< 0.00050 UJ	< 0.0010 UJ	--	--	--	--	--	--	--	--	--
P-87D	P87D-WRR-100825	10/8/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
P-88A	P88A-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00040	0.00045	< 0.01	0.000051 J	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P88A-WRR-100824	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P88A-WRR-040825	4/8/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P88A-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			0.005 [1]	2.3 [1]	0.38 [1]	0.7 [1]	0.038 [1]	0.077 [1]	1 [1]	10 [1]		10 [1]	0.23 [1]	1.2 [1]		0.00025 [1]	0.21 [3]	0.006 [1]	0.025 [1]		0.14 [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-88B	P88B-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P88B-WRR-100824	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P88B-WRR-040825	4/8/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	P88B-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-88C	P88C-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011	< 0.011
	P88C-WRR-100824	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P88C-WRR-040825	4/8/2025	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0050	< 0.0010	< 0.0050 UJ	< 0.0050 UJ	< 0.01 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.0099 UJ
	P88C-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-88D	P88D-WRR-041024	4/10/2024	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00044	0.00063	< 0.011	0.000079 J	< 0.00021	0.012	0.000040 J	< 0.011	< 0.011
	P88D-WRR-100824	10/8/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P88D-WRR-040825	4/8/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.01	< 0.01
	P88D-WRR-101625	10/16/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-93A	P93A-WRR-041824	4/18/2024	0.85	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	< 0.025	< 0.05	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011 UJ	< 0.011
	P93A-WRR-101724	10/17/2024	190	--	--	< 1	--	< 5	< 1	< 5	< 5	< 10	--	--	--	--	--	--	--	--	--
	P93A-WRR-041725	4/17/2025	49	< 13	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 2.5	< 2.5	< 5	0.000088 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.0099 UJ
	P93A-WRR-102025	10/20/2025	48	--	--	< 0.2	--	< 1	< 0.2	< 1	< 1	< 2	--	--	--	--	--	--	--	--	--
P-93B	P93B-WRR-041924	4/19/2024	1000	< 50 UJ	< 2 UJ	< 2 UJ	< 2 UJ	< 10 UJ	< 2 UJ	< 10 UJ	< 10 UJ	< 20 UJ	0.00027	0.000089 J	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021 UJ	< 0.011	< 0.011
	P93B-WRR-101724	10/17/2024	720	--	--	< 1 UJ	--	< 5 UJ	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	--	--	--	--	--	--	--	--	--
	P93B-WRR-041825	4/18/2025	880	< 130	< 5	< 5	< 5	< 25	< 5	< 25	< 25	< 50	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P93B-WRR-102025	10/20/2025	600	--	--	< 5	--	< 25	< 5	< 25	< 25	< 50	--	--	--	--	--	--	--	--	--
P-93C	P93C-WRR-041924	4/19/2024	180	< 25	< 1	< 1	< 1	< 5	< 1	< 5	< 5	< 10	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021 UJ	< 0.011	< 0.011
	P93C-WRR-101724	10/17/2024	2.9	--	--	< 0.02	--	< 0.1	< 0.02	< 0.1	< 0.1	< 0.2	--	--	--	--	--	--	--	--	--
	P93C-WRR-041725	4/17/2025	0.25	< 0.05	< 0.0020	< 0.0020	0.00044 J	< 0.01	< 0.0020	< 0.01	< 0.01	< 0.02	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01 UJ
	P93C-WRR-102025	10/20/2025	0.00086 J	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-93D	P93D-WRR-042224	4/22/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0012	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01	< 0.00020 UJ	< 0.01	< 0.01
	P93D-WRR-101524	10/15/2024	0.00027 J	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P93D-WRR-041625	4/16/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.00090 J	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.01 UJ
	P93D-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-94	P94-WRR-041724	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011 UJ	< 0.011
	P94-WRR-101124	10/11/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P94-WRR-101124-DUP	10/11/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P94-WRR-041125	4/11/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	P94-WRR-102025	10/20/2025	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
P-95	P95-WRR-041724	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	0.000058 J	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011 UJ	< 0.011
	P95-WRR-101524	10/15/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	P95-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01 UJ
	P95-WRR-041425-DUP	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.0098 UJ
	P95-WRR-101425	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
	P95-WRR-101425-DUP	10/14/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--

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TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs										SVOCs								
			Benzene	2-Butanone	Carbon disulfide	Ethylbenzene	Methyl tert-Butyl Ether (MTBE)	Naphthalene	Toluene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(g,h,i)perylene	bis(2-Ethylhexyl)phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)acridine	2,4-Dimethylphenol
Screening Values* (mg/L)			**0.005** [1]	**2.3** [1]	**0.38** [1]	**0.7** [1]	**0.038** [1]	**0.077** [1]	**1** [1]	**10** [1]		**10** [1]	**0.23** [1]	**1.2** [1]		**0.00025** [1]	**0.21** [3]	**0.006** [1]	**0.025** [1]		**0.14** [2]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
T-1	T1-WRR-041724	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	T1-WRR-041724-DUP	4/17/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01
	T1-WRR-101424	10/14/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	T1-WRR-101424-DUP	10/14/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	T1-WRR-041425	4/14/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.01 UJ
	T1-WRR-101025	10/10/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
T-12	T12-WRR-041924	4/19/2024	1.2	< 0.25	< 0.01	< 0.01	< 0.01	< 0.05	0.023	0.017 J	< 0.05	0.017 J	0.00040	0.00011 J	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022 UJ	< 0.011	< 0.011
	T12-WRR-101624	10/16/2024	1.4	--	--	0.044	--	< 0.05	0.1	0.23	< 0.05	0.25	--	--	--	--	--	--	--	--	--
	T12-WRR-041625	4/16/2025	1.8	< 0.25	< 0.01	0.11	< 0.01	0.05	0.15	0.63	0.086	0.72	0.00031 J	< 0.00040	< 0.02	< 0.00040	< 0.00040	< 0.02	< 0.00040	< 0.02 UJ	0.011 J*1*-
	T12-WRR-101725	10/17/2025	1.4	--	--	0.023	--	< 0.05	0.031	0.16	< 0.05	0.17	--	--	--	--	--	--	--	--	--
T-13	T13-WRR-041624	4/16/2024	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.011	< 0.011
	T13-WRR-101424	10/14/2024	< 0.0010	--	--	< 0.0010	--	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--
	T13-WRR-041525	4/15/2025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.01
	T13-WRR-100625	10/6/2025	< 0.00050	--	--	< 0.00050	--	< 0.0010	< 0.00050	< 0.0010	< 0.00050	< 0.0010	--	--	--	--	--	--	--	--	--
T-41	T41-WRR-100725	10/7/2025	< 0.00050	--	--	0.00034 J	--	< 0.0010	< 0.00050	< 0.0010	0.00038 J	0.00038 J	--	--	--	--	--	--	--	--	--

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TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-01	P01-WRR-041024	4/10/2024	< 0.011	< 0.011 UJ	< 0.00021	< 0.00021	< 0.011 UJ	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	< 0.011 UJ	< 0.00021	0.00035 J	0.00035 J	< 0.02	< 0.02	0.098	0.097	< 0.0050
	P01-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0095	--	--	--	--	< 0.01	--	0.11	--
	P01-WRR-040925	4/9/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05 UJ	0.016 J J	0.098	0.097	< 0.0050
	P01-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.087	--
P-4U	P4U-WRR-040524	4/5/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	0.000092 J	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.11	0.099	0.0024 J
	P4U-WRR-100824	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.1	--
	P4U-WRR-100824-DUP	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	< 0.01	--	0.1	--
	P4U-WRR-040725	4/7/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.1	0.1	0.0050
	P4U-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.1	--	0.12	--
P-6U	P6U-WRR-040424	4/4/2024	< 0.011	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022 U	< 0.011	< 0.022	< 0.00022	< 0.011	< 0.00022	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.092	0.089	0.0014 J
	P6U-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0094	--	--	--	--	< 0.01	--	0.095	--
	P6U-WRR-040925	4/9/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.087 J	0.088 J	< 0.0050
	P6U-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.092	--
P-7U	P7U-WRR-041124	4/11/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.0012 J	0.00087 J	< 0.02	< 0.02	0.18	0.17	< 0.0050
	P7U-WRR-041124-DUP	4/11/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	0.0033 J	0.00092 J	< 0.02	< 0.02	0.18	0.18	< 0.0050
	P7U-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0094	--	--	--	--	0.0042 J	--	0.15	--
	P7U-WRR-100924-DUP	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.019 UJ	--	--	--	--	0.0049 J	--	0.16	--
	P7U-WRR-041125	4/11/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	0.00055 J	0.00042 J	< 0.05	< 0.05	0.13	0.13	< 0.0050
	P7U-WRR-041125-DUP	4/11/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	0.00044 J J	0.00052 J J	< 0.05 UJ	0.025 J J	0.13	0.13	< 0.0050
	P7U-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.15	--
P-8U	P8U-WRR-041624	4/16/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	0.015	0.032 B	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050 U	< 0.0050	< 0.02	< 0.02	0.13	0.13	< 0.0050
	P8U-WRR-101124	10/11/2024	--	--	--	--	--	--	0.029	--	--	--	< 0.01	--	--	--	--	< 0.01 U	--	0.14	--
	P8U-WRR-041125	4/11/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	0.00064 J	0.015	0.033	< 0.01	< 0.02	< 0.00020	< 0.01 UJ	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.08	0.079	< 0.0050
	P8U-WRR-101625	10/16/2025	--	--	--	--	--	--	0.036	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.095	--
	P8U-WRR-101625-DUP	10/16/2025	--	--	--	--	--	--	0.034	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.095	--
P-014	P014-WRR-041024	4/10/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.055	0.054	< 0.0050
	P014-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	0.0047 J	--	0.057	--
	P014-WRR-040925	4/9/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.06 J	0.061 J	< 0.0050
	P014-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.061	--
P-15	P15-WRR-040524	4/5/2024	< 0.0099	< 0.0099	< 0.00020	0.00018 J	< 0.0099	0.00076	0.00013 J	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.24	0.24	< 0.0050
	P15-WRR-040524-DUP	4/5/2024	< 0.01	< 0.01	< 0.00021	0.00019 J	< 0.01	0.00050	0.00011 J	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050 U	< 0.0050 U	0.0065 J	< 0.02	0.24	0.24	< 0.0050
	P15-WRR-100824	10/8/2024	--	--	--	--	--	--	0.0022	--	--	--	< 0.019 UJ	--	--	--	--	< 0.01	--	0.41	--
	P15-WRR-040725	4/7/2025	< 0.01	0.00049 J	< 0.00020	0.00028	< 0.01	0.0012	0.0019	< 0.01 UJ	0.00027 J J	< 0.00020	< 0.01	< 0.00020	0.00089 J J	0.00094 J J	< 0.05	< 0.05	0.22 J	0.23 J	< 0.0050
	P15-WRR-040725-DUP	4/7/2025	< 0.0098	0.00051 J	< 0.00020	0.00027	< 0.0098	0.0012	0.0018	< 0.0098 UJ	< 0.02 UJ	< 0.00020	0.00040 J	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.38 J	0.38 J	< 0.0050
	P15-WRR-101525	10/15/2025	--	--	--	--	--	--	0.0031	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.47	--
P-16	P16-WRR-040424	4/4/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.11 J	0.12 J	< 0.0050
	P16-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0096	--	--	--	--	< 0.01	--	0.12	--
	P16-WRR-040925	4/9/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099	< 0.00020	0.00024 J	0.00020 J	< 0.05	< 0.05	0.079	0.079	< 0.0050
	P16-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	0.0038 J	--	0.11	--
	P16-WRR-101525-DUP	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.11	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-17	P17-WRR-041524	4/15/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	< 0.011 UJ	< 0.00021	< 0.0050	< 0.0050	0.017 J J	0.018 J J	0.016	0.016	< 0.0050
	P17-WRR-101124	10/11/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01 U	--	0.019	--
	P17-WRR-041125	4/11/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.022	0.021	< 0.0050
	P17-WRR-100825	10/8/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	0.01	--	0.019	--
P-43	P43-WRR-041724	4/17/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01 UJ	0.00023	< 0.00021 U	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.12	0.11	< 0.0050
	P43-WRR-041724-DUP	4/17/2024	< 0.01	< 0.01	0.000034 J	< 0.00020	< 0.01 UJ	0.00021	< 0.00020 U	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.11	0.11	< 0.0050
	P43-WRR-101124	10/11/2024	--	--	--	--	--	--	0.00020	--	--	--	< 0.0098	--	--	--	--	< 0.01 U	--	0.14	--
	P43-WRR-041125	4/11/2025	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	0.00047	0.00030	< 0.0098	< 0.02	< 0.00020	< 0.0098 UJ	< 0.00020	0.00027 J	0.00025 J	< 0.05	< 0.05	0.14	0.14	< 0.0050
	P43-WRR-041125-DUP	4/11/2025	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	0.00051	0.00032	< 0.0098	< 0.02	< 0.00020	< 0.0098 UJ	< 0.00020	0.00028 J	0.00028 J	< 0.05	< 0.05	0.14	0.13	< 0.0050
	P43-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.14	--
P-56	P56-WRR-041824	4/18/2024	< 0.011	< 0.011	< 0.00022	0.00022	< 0.011	0.0026	0.00087	< 0.011	< 0.022	0.00029	< 0.011	< 0.00022	< 0.0050	< 0.0050	0.012 J	0.011 J	0.15 J	0.16 J	< 0.0050
	P56-WRR-101524	10/15/2024	--	--	--	--	--	--	0.017	--	--	--	< 0.0092	--	--	--	--	0.01 J	--	0.15	--
	P56-WRR-041625	4/16/2025	< 0.0099 UJ	< 0.0099 UJ	< 0.00020 UJ	0.00061 J	< 0.0099 UJ	0.01 J	0.011 J	< 0.0099 UJ	< 0.02 UJ	0.00062 J	< 0.0099 UJ	< 0.00020 UJ	< 0.0010	< 0.0010	< 0.05 U	< 0.05	0.2	0.19	< 0.0050
	P56-WRR-101725	10/17/2025	--	--	--	--	--	--	0.013	--	--	--	< 0.01	--	--	--	--	0.021	--	0.21	--
P-59	P59-WRR-041924	4/19/2024	< 0.011	< 0.011	< 0.00021	0.00037	< 0.011	0.0090	0.012	< 0.011	< 0.021	0.00073	0.0071 J	0.00063	0.00050 J	< 0.0050	0.12	0.12	0.76	0.76	< 0.0050
	P59-WRR-101624	10/16/2024	--	--	--	--	--	--	0.017	--	--	--	0.02	--	--	--	--	0.09 B	--	0.86	--
	P59-WRR-041625	4/16/2025	< 0.01	0.00014 J	< 0.00020	0.00027	0.0010 J*- J	0.013	0.0082	< 0.01 UJ	< 0.02	0.00013 J	0.0031 J	< 0.00020	0.00047 J	0.00034 J	< 0.054 U	0.032 J	0.57	0.55	< 0.0050
	P59-WRR-101725	10/17/2025	--	--	--	--	--	--	0.014	--	--	--	0.0060 J	--	--	--	--	0.1	--	0.74	--
P-60	P60-WRR-041824	4/18/2024	< 0.01	< 0.01 UJ	0.000067 J	0.0017	< 0.01	0.054	0.065	< 0.01	< 0.021	0.0044	0.0059 J	0.00010 J	< 0.0050	< 0.0050	0.041	0.038	0.53 J	0.54 J	< 0.0050
	P60-WRR-041824-DUP	4/18/2024	< 0.01	< 0.01 UJ	0.000077 J	0.0019	< 0.01	0.056	0.068	< 0.01	< 0.02	0.0046	0.0058 J	0.00011 J	< 0.0050	< 0.0050	0.039	0.037	0.53 J	0.54 J	< 0.0050
	P60-WRR-101624	10/16/2024	--	--	--	--	--	--	0.012	--	--	--	0.0047 J	--	--	--	--	0.039	--	0.46	--
	P60-WRR-101624-DUP	10/16/2024	--	--	--	--	--	--	0.012	--	--	--	0.0046 J	--	--	--	--	0.038	--	0.45	--
	P60-WRR-041725	4/17/2025	< 0.01	< 0.01	0.000040 J	0.0026	< 0.01	0.075	0.069	< 0.01 UJ	< 0.02	0.0063	0.0020 J	0.00011 J	< 0.0010	< 0.0010	0.031 J J	0.04 J J	0.43 J	0.45 J	< 0.0050
	P60-WRR-041725-DUP	4/17/2025	< 0.0099	< 0.0099	0.000039 J	0.0027	< 0.0099	0.072	0.066	< 0.0099 UJ	< 0.02	0.0064	0.0025 J	0.00011 J	< 0.0010	< 0.0010	0.037 J	0.035 J	0.45	0.45	< 0.0050
	P60-WRR-101025	10/10/2025	--	--	--	--	--	--	0.12	--	--	--	0.0084 J	--	--	--	--	< 0.01	--	< 0.01	--
	P60-WRR-101025-DUP	10/10/2025	--	--	--	--	--	--	0.12	--	--	--	0.0060 J	--	--	--	--	0.034	--	0.39	--
P-81A	P81A-WRR-040424	4/4/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.14	0.12	< 0.0050
	P81A-WRR-100424	10/4/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0096	--	--	--	--	< 0.01	--	0.09	--
	P81A-WRR-040725	4/7/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.11	0.11	< 0.0050
	P81A-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.12	--
P-81B	P81B-WRR-040424	4/4/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.25 J	0.26 J	< 0.0050
	P81B-WRR-100424	10/4/2024	--	--	--	--	--	--	< 0.00019	--	--	--	< 0.0094 UJ	--	--	--	--	< 0.01	--	0.25	--
	P81B-WRR-040725	4/7/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	0.0010	0.0010	< 0.05	< 0.05	0.23	0.23	< 0.0050
	P81B-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.18	--
P-81C	P81C-WRR-040424	4/4/2024	< 0.01	< 0.01 UJ	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01 UJ	< 0.00021	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.4 J	0.4	< 0.0050
	P81C-WRR-100424	10/4/2024	--	--	--	--	--	--	< 0.00019	--	--	--	< 0.0095	--	--	--	--	0.0074 J	--	0.41	--
	P81C-WRR-040725	4/7/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.42	0.4	< 0.0050
	P81C-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099 UJ	--	--	--	--	< 0.01	--	0.4	--

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TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-81D	P81D-WRR-040424	4/4/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020 U	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.35	0.35	< 0.0050
	P81D-WRR-100424	10/4/2024	--	--	--	--	--	--	< 0.00019	--	--	--	< 0.0096	--	--	--	--	0.0063 J	--	0.4	--
	P81D-WRR-040725	4/7/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	0.00092 J	0.00090 J	< 0.05	< 0.05	0.23	0.23	< 0.0050
	P81D-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.36	--
P-82A	P82A-WRR-040524	4/5/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050 U	< 0.0050	< 0.02	< 0.02	0.16	0.16	< 0.0050
	P82A-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0098	--	--	--	--	0.0038 J	--	0.22	--
	P82A-WRR-041025	4/10/2025	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.18 J	0.19 J	< 0.0050
	P82A-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.23	--
	P82A-WRR-101525-DUP	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.22	--
P-82B	P82B-WRR-040524	4/5/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050 UJ	< 0.0050 U	0.012 J	0.0085 J	0.16	0.15	< 0.0050
	P82B-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	0.016	--	0.15	--
	P82B-WRR-041025	4/10/2025	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05 UJ	0.044 J J	0.18	0.18	< 0.0050
	P82B-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0098	--	--	--	--	0.0093 J	--	0.16	--
P-82C	P82C-WRR-040524	4/5/2024	< 0.011	< 0.011	0.000041 J	0.00012 J	< 0.011	0.00022	0.00027	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	< 0.0050 U	< 0.0050	< 0.02	< 0.02	0.081	0.075	< 0.0050
	P82C-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0097	--	--	--	--	< 0.01	--	0.079	--
	P82C-WRR-041025	4/10/2025	< 0.0099	< 0.0099	< 0.00020 U	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.078 J	0.083 J	< 0.0050
	P82C-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0098	--	--	--	--	< 0.01	--	0.077	--
P-82D	P82D-WRR-040524	4/5/2024	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.00020	< 0.0098	< 0.00020	< 0.0050 U	< 0.0050	< 0.02	< 0.02	0.069	0.066	< 0.0050
	P82D-WRR-100724	10/7/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	< 0.01	--	0.076	--
	P82D-WRR-041025	4/10/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	0.000094 J	< 0.0010	< 0.0010	< 0.05	< 0.05	0.074 J	0.076 J	< 0.0050
	P82D-WRR-101525	10/15/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.079	--
P-83A	P83A-WRR-041224	4/12/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.0011 J	0.00073 J	< 0.02	< 0.02	0.06	0.058	< 0.0050
	P83A-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	0.0054 J	--	0.079	--
	P83A-WRR-041125	4/11/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.00033 J J	0.00037 J J	< 0.05	< 0.05	0.099	0.097	< 0.0050
	P83A-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.081	--
P-83B	P83B-WRR-041224	4/12/2024	< 0.011	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.022	< 0.00022	< 0.011	< 0.00022	0.00055 J	0.00035 J	< 0.02	< 0.02	0.063	0.061	< 0.0050
	P83B-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0094	--	--	--	--	< 0.01	--	0.058	--
	P83B-WRR-041125	4/11/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.00047 J	0.00031 J	< 0.05	< 0.05	0.096 J	0.097 J	< 0.0050
	P83B-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 U	--	--	--	--	< 0.01	--	0.044	--
P-83C	P83C-WRR-041224	4/12/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.17	0.17	< 0.0050
	P83C-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	0.0039 J	--	0.18	--
	P83C-WRR-041125	4/11/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.17	0.16	< 0.0050
	P83C-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.16	--
P-83D	P83D-WRR-041224	4/12/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.1	0.1	< 0.0050
	P83D-WRR-100924	10/9/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.11	--
	P83D-WRR-041125	4/11/2025	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.00019	< 0.0097	< 0.00019	< 0.0010	< 0.0010	< 0.05	< 0.05	0.096	0.089	< 0.0050
	P83D-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 U	--	--	--	--	< 0.01	--	0.095	--
P-84A	P84A-WRR-041124	4/11/2024	< 0.01	< 0.01	0.00010 J	0.00025	< 0.01	0.00021	0.00028	< 0.01	< 0.02	0.00021	< 0.01	0.000051 J	0.00068 J	0.00075 J	< 0.02	< 0.02	0.056	0.056	< 0.0050
	P84A-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.044	--
	P84A-WRR-041425	4/14/2025	0.0041 J	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01 UJ	< 0.00020	0.00062 J	0.00045 J	< 0.05	< 0.05 U	0.037	0.036	< 0.0050
	P84A-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.035	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-84B	P84B-WRR-041124	4/11/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.11 J	0.12 J	< 0.0050
	P84B-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0095	--	--	--	--	< 0.01	--	0.12	--
	P84B-WRR-041425	4/14/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0010	< 0.0010	< 0.05 UJ	0.016 J J	0.13 J	0.14 J	< 0.0050
	P84B-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.13	--
P-84C	P84C-WRR-041124	4/11/2024	< 0.01	< 0.01	< 0.00020	0.00012 J	< 0.01	0.00020	0.00030	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.11	0.11	< 0.0050
	P84C-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0094	--	--	--	--	< 0.01	--	0.11	--
	P84C-WRR-041425	4/14/2025	< 0.01 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.02 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.0010	< 0.0010	< 0.05	< 0.05	0.11	0.11	< 0.0050
	P84C-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.11	--
P-84D	P84D-WRR-041124	4/11/2024	< 0.01	< 0.01	0.00013 J	0.00030	< 0.01	0.00028	0.00041	< 0.01	< 0.02	0.00028	< 0.01	0.000088 J	< 0.0050	< 0.0050	< 0.02	< 0.02	0.054	0.054	< 0.0050
	P84D-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.055	--
	P84D-WRR-041425	4/14/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0010	< 0.0010	< 0.05 UJ	0.025 J J	0.053	0.052	< 0.0050
	P84D-WRR-101725	10/17/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.051	--
P-85B	P85B-WRR-100725	10/7/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.067	--
	P85B-WRR-100725-DUP	10/7/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.073	--
P-85C	P85C-WRR-100725	10/7/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	0.0044 J	--	0.19	--
P-85D	P85D-WRR-101025	10/10/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.11	--
P-86A	P86A-WRR-041524	4/15/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	0.00082 J	< 0.0050 U	< 0.02	< 0.02	0.1	0.1	< 0.0050
	P86A-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	0.0054 J	--	0.2	--
	P86A-WRR-041025	4/10/2025	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.13 J	0.14 J	< 0.0050
	P86A-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01	--	0.14	--
P-86B	P86B-WRR-041524	4/15/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	0.00078 J J	< 0.0050 U	< 0.02	< 0.02	0.0080 J J	0.0084 J J	< 0.0050
	P86B-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	< 0.01	--	0.0086 J	--
	P86B-WRR-041025	4/10/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.0010	0.0010	< 0.05	< 0.05	0.01 J	0.011 J	< 0.0050
	P86B-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.01	--
P-86C	P86C-WRR-041524	4/15/2024	< 0.011	< 0.011	< 0.00023	< 0.00023	< 0.011	< 0.00023	< 0.00023	< 0.011	< 0.023	< 0.00023	< 0.011	< 0.00023	< 0.0050	< 0.0050	< 0.02	< 0.02	0.053	0.05	< 0.0050
	P86C-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.038	--
	P86C-WRR-041025	4/10/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.028 J	0.029 J	< 0.0050
	P86C-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.029	--
P-86D	P86D-WRR-041524	4/15/2024	< 0.011	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.022	< 0.00022	< 0.011	< 0.00022	< 0.0050	< 0.0050	< 0.02	< 0.02	0.073	0.073	< 0.0050
	P86D-WRR-101024	10/10/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092 UJ	--	--	--	--	< 0.01	--	0.078	--
	P86D-WRR-041025	4/10/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.082 J	0.083 J	< 0.0050
	P86D-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.086	--
P-87B	P87B-WRR-100825	10/8/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	0.0053 J	--	0.093	--
P-87C	P87C-WRR-101025	10/10/2025	--	--	--	--	--	--	< 0.00020	--	--	--	0.0013 J	--	--	--	--	0.0041 J	--	0.17	--
P-87D	P87D-WRR-100825	10/8/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.5	--
P-88A	P88A-WRR-041024	4/10/2024	< 0.01	< 0.01	0.00019 J	0.00061	< 0.01	0.00050	0.00068	< 0.01	< 0.021	0.00051	< 0.01	0.00024	0.00072 J J	0.00075 J J	< 0.02	< 0.02	0.096	0.088	< 0.0050
	P88A-WRR-100824	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.097	--
	P88A-WRR-040825	4/8/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	0.00062 J J	0.00064 J J	< 0.05	< 0.05	0.086	0.08	< 0.0050
	P88A-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 UJ	--	--	--	--	< 0.01	--	0.094	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-88B	P88B-WRR-041024	4/10/2024	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	0.000077 J	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0050 UJ	0.00043 J J	< 0.02	< 0.02	0.33	0.32	< 0.0050
	P88B-WRR-100824	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093	--	--	--	--	< 0.01	--	0.31	--
	P88B-WRR-040825	4/8/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.28	0.28	< 0.0050
	P88B-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.28	--
P-88C	P88C-WRR-041024	4/10/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.49	0.48	< 0.0050
	P88C-WRR-100824	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0093 UJ	--	--	--	--	< 0.01	--	0.46	--
	P88C-WRR-040825	4/8/2025	< 0.0099	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.00020	< 0.0099	< 0.00020	< 0.0010	< 0.0010	0.027 J	< 0.05	0.43	0.41	< 0.0050
	P88C-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.45	--
P-88D	P88D-WRR-041024	4/10/2024	< 0.011	< 0.011	0.00027	0.00065	< 0.011	0.00058	0.00080	< 0.011	< 0.021	0.00064	< 0.011	0.00030	< 0.0050	< 0.0050	< 0.02	< 0.02	0.54	0.53	< 0.0050
	P88D-WRR-100824	10/8/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.01	--	0.52	--
	P88D-WRR-040825	4/8/2025	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.00021	< 0.01	< 0.00021	< 0.0010	< 0.0010	< 0.05	< 0.05	0.53	0.51	< 0.0050
	P88D-WRR-101625	10/16/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.51	--
P-93A	P93A-WRR-041824	4/18/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011	0.00022	< 0.00021	< 0.011	< 0.021	< 0.00021	0.0098 J	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.15 J	0.17 J	< 0.0050
	P93A-WRR-101724	10/17/2024	--	--	--	--	--	--	0.00054	--	--	--	0.13	--	--	--	--	< 0.02	--	0.2	--
	P93A-WRR-041725	4/17/2025	< 0.0099	< 0.0099	< 0.00020	0.00011 J	< 0.0099	0.0037	0.00036	< 0.0099 UJ	< 0.02	0.000049 J	0.037	< 0.00020	0.00040 J	< 0.0010	< 0.05	< 0.05	0.24 J	0.26 J	< 0.0050
	P93A-WRR-102025	10/20/2025	--	--	--	--	--	--	0.00018 J	--	--	--	0.24 B	--	--	--	--	0.0097 J	--	0.25	--
P-93B	P93B-WRR-041924	4/19/2024	< 0.011	< 0.011	0.000036 J	< 0.00021	< 0.011	0.00018 J	0.00019 J	< 0.011	< 0.021	< 0.00021	0.17	< 0.00021 UJ	0.00053 J	< 0.0050	0.04	0.037	0.44	0.41	< 0.0050
	P93B-WRR-101724	10/17/2024	--	--	--	--	--	--	0.00022	--	--	--	0.055	--	--	--	--	0.016 J	--	0.29	--
	P93B-WRR-041825	4/18/2025	< 0.01	< 0.01 U	< 0.00020	< 0.00020	< 0.01	< 0.00023 U	< 0.00020 U	< 0.01	< 0.02	< 0.00020	0.26 B	< 0.00020	0.00030 J	0.00025 J	0.018 J J	0.019 J J	0.28 J	0.29 J	< 0.0050
	P93B-WRR-102025	10/20/2025	--	--	--	--	--	--	0.00012 J	--	--	--	0.18 B	--	--	--	--	0.046	--	0.35	--
P-93C	P93C-WRR-041924	4/19/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	0.059	< 0.00021 UJ	0.00034 J	< 0.0050	< 0.02	< 0.02	0.23	0.23	< 0.0050
	P93C-WRR-101724	10/17/2024	--	--	--	--	--	--	< 0.00020	--	--	--	0.011	--	--	--	--	< 0.02	--	0.18	--
	P93C-WRR-041725	4/17/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01 UJ	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.14	0.14	< 0.0050
	P93C-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.069	--
P-93D	P93D-WRR-042224	4/22/2024	< 0.01	< 0.01 UJ	< 0.00020	< 0.00020	< 0.01	0.000086 J	0.000094 J	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020 UJ	< 0.0050	< 0.0050	< 0.02	< 0.02	0.28	0.28	< 0.0050
	P93D-WRR-101524	10/15/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0092	--	--	--	--	< 0.02	--	0.3	--
	P93D-WRR-041625	4/16/2025	< 0.01 UJ	0.00023 J J	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.02 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.0010	< 0.0010	< 0.05	< 0.05	0.3	0.28	< 0.0050
	P93D-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.29	--
P-94	P94-WRR-041724	4/17/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011 UJ	< 0.00021	< 0.00021	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	< 0.0050	< 0.0050	< 0.02	< 0.02	0.025	0.025	< 0.0050
	P94-WRR-101124	10/11/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	< 0.01 U	--	0.024	--
	P94-WRR-101124-DUP	10/11/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0096	--	--	--	--	< 0.01 U	--	0.025	--
	P94-WRR-041125	4/11/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	0.018	0.017	< 0.0050
	P94-WRR-102025	10/20/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01 U	--	--	--	--	< 0.01	--	0.02	--
P-95	P95-WRR-041724	4/17/2024	< 0.011	< 0.011	< 0.00021	< 0.00021	< 0.011 UJ	< 0.00021	< 0.00021 U	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	< 0.0050	< 0.0050	0.022	0.016 J	0.23	0.16	< 0.0050
	P95-WRR-101524	10/15/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0091	--	--	--	--	0.015 J	--	0.16	--
	P95-WRR-041425	4/14/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01 UJ	< 0.00020	0.00032 J	0.00020 J	< 0.05	< 0.05 U	0.21	0.18	< 0.0050
	P95-WRR-041425-DUP	4/14/2025	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.02	< 0.00020	< 0.0098 UJ	< 0.00020	0.00031 J	0.00025 J	< 0.05	< 0.05 U	0.21	0.17	< 0.0050
	P95-WRR-101425	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	0.0049 J	--	0.16	--
	P95-WRR-101425-DUP	10/14/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	0.0055 J	--	0.17	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs												Metals						
			Di-n-butyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Phenanthrene	Phenol	Pyrene	Antimony	Antimony, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium
Screening Values* (mg/L)			0.38 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.21 [3]	0.1 [1]	0.12 [1]	0.006 [1]		0.01 [1]		2 [1]		0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
T-1	T1-WRR-041724	4/17/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020 U	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.2 J	0.21 J	< 0.0050
	T1-WRR-041724-DUP	4/17/2024	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020 U	< 0.01	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0050	< 0.0050	< 0.02	< 0.02	0.2	0.2	< 0.0050
	T1-WRR-101424	10/14/2024	--	--	--	--	--	--	< 0.00020 UJ	--	--	--	< 0.0093	--	--	--	--	< 0.01 U	--	0.25	--
	T1-WRR-101424-DUP	10/14/2024	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0095	--	--	--	--	< 0.01 U	--	0.25	--
	T1-WRR-041425	4/14/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01 UJ	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05 U	0.27	0.26	< 0.0050
	T1-WRR-101025	10/10/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.2	--
T-12	T12-WRR-041924	4/19/2024	< 0.011	< 0.011	< 0.00022	0.00035	< 0.011	0.016	0.023	< 0.011	< 0.022	0.00054	0.032	< 0.00022 UJ	< 0.0050	< 0.0050	0.1 J	0.11 J	1.2 J	1.3 J	< 0.0050
	T12-WRR-101624	10/16/2024	--	--	--	--	--	--	0.032	--	--	--	0.0050 J	--	--	--	--	0.088 B	--	1	--
	T12-WRR-041625	4/16/2025	< 0.02	< 0.02	< 0.00040	0.00025 J	0.0011 J*- J	0.015	0.024	< 0.02 UJ	< 0.04	0.00040	0.08	< 0.00040	< 0.0010	< 0.0010	0.1 B	0.06	0.87	0.76	< 0.0050
	T12-WRR-101725	10/17/2025	--	--	--	--	--	--	0.032	--	--	--	0.034 J	--	--	--	--	0.054	--	0.97	--
T-13	T13-WRR-041624	4/16/2024	< 0.011	< 0.011	0.000036 J	< 0.00021	< 0.011	< 0.00021	< 0.00021 U	< 0.011	< 0.021	< 0.00021	< 0.011	< 0.00021	< 0.0050 U	< 0.0050 U	< 0.02	< 0.02	0.045	0.045	< 0.0050
	T13-WRR-101424	10/14/2024	--	--	--	--	--	--	< 0.00020 UJ	--	--	--	< 0.0093	--	--	--	--	< 0.01 U	--	0.066	--
	T13-WRR-041525	4/15/2025	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.00020	< 0.01	< 0.00020	< 0.0010	< 0.0010	< 0.05	< 0.05	< 0.0050	< 0.0050	< 0.0050
	T13-WRR-100625	10/6/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.01	--	--	--	--	< 0.01	--	0.088	--
T-41	T41-WRR-100725	10/7/2025	--	--	--	--	--	--	< 0.00020	--	--	--	< 0.0099	--	--	--	--	0.0043 J	--	0.032	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																	
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				0.1 [1]		0.0012 [1]		0.2 [1]	0.0075 [1]		0.002 [1]		0.077 [1]		0.02 [1]		0.00027 [1]		1.2 [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-01	P01-WRR-041024	4/10/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P01-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P01-WRR-040925	4/9/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P01-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-4U	P4U-WRR-040524	4/5/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0012 J	< 0.01	< 0.02	< 0.02
	P4U-WRR-100824	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P4U-WRR-100824-DUP	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P4U-WRR-040725	4/7/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	0.0072 J	< 0.02
	P4U-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-6U	P6U-WRR-040424	4/4/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P6U-WRR-100924	10/9/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0021 J	--	--	--	< 0.0050	--	--
	P6U-WRR-040925	4/9/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P6U-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-7U	P7U-WRR-041124	4/11/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0081	< 0.01	< 0.01	< 0.00020	< 0.00020	0.017 J	0.016 J	< 0.02	< 0.02	0.0026 J	0.0019 J	< 0.02	< 0.02
	P7U-WRR-041124-DUP	4/11/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.017 J	0.017 J	< 0.02	< 0.02	0.0028 J	0.0017 J	< 0.02	< 0.02
	P7U-WRR-100924	10/9/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.013	--	--	--	0.0019 J	--	--
	P7U-WRR-100924-DUP	10/9/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.014	--	--	--	0.0025 J	--	--
	P7U-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0061 J J	0.0062 J J	< 0.05	< 0.05	0.0033 J	< 0.01	< 0.02	< 0.02
	P7U-WRR-041125-DUP	4/11/2025	< 0.0050	< 0.075	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0059 J J	0.0066 J J	0.016 J	< 0.05	< 0.05	< 0.01	< 0.02	< 0.02
	P7U-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	0.0030 J	--	--	--	0.0059 J	--	--	--	0.0011 J	--	--
P-8U	P8U-WRR-041624	4/16/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0064	< 0.01	< 0.01	< 0.00020 UJ	0.00099 J	0.0050 J J	0.0061 J J	< 0.02	< 0.02	0.0013 J	< 0.01	< 0.02 UJ	0.024 J
	P8U-WRR-101124	10/11/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0061 J	--	--	--	< 0.0050	--	--
	P8U-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	0.0039 J	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	0.0019 J	< 0.01	< 0.02	< 0.02
	P8U-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	0.0029 J	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P8U-WRR-101625-DUP	10/16/2025	--	--	--	--	< 0.0050	--	--	0.0029 J	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-014	P014-WRR-041024	4/10/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P014-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01 U	--	--	--	0.00096 J	--	--
	P014-WRR-040925	4/9/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0022 J	0.0021 J	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P014-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-15	P15-WRR-040524	4/5/2024	< 0.0050	0.0063 J J	0.0064 J J	< 0.01	< 0.01	0.0088	< 0.01	< 0.01	< 0.00020	< 0.00020	0.014 J J	0.015 J J	< 0.02	< 0.02	0.035 J	0.037 J	< 0.02	< 0.02
	P15-WRR-040524-DUP	4/5/2024	< 0.0050	0.0061 J	0.0061 J	< 0.01	< 0.01	0.0078	< 0.01	< 0.01	< 0.00020	< 0.00020	0.014 J J	0.015 J J	< 0.02	< 0.02	0.039	0.038	< 0.02	< 0.02
	P15-WRR-100824	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.014	--	--	--	0.066	--	--
	P15-WRR-040725	4/7/2025	< 0.0050	0.0068 J J	0.0079 J J	< 0.0050	< 0.0050	0.0092	< 0.015	< 0.015	< 0.00020	< 0.00020	0.011 J	0.012 J	< 0.05	< 0.05	0.04 J	0.039 J	< 0.02	< 0.02
	P15-WRR-040725-DUP	4/7/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01 UJ	< 0.01 UJ	0.0045 J	< 0.02
	P15-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0088 J	--	--	--	0.041	--	--
P-16	P16-WRR-040424	4/4/2024	< 0.0050	< 0.01	< 0.01	0.0019 J	< 0.01	0.0035 J	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P16-WRR-100924	10/9/2024	--	--	--	--	0.0016 J	--	--	< 0.0050	--	--	--	0.0089 J	--	--	--	0.0013 J	--	--
	P16-WRR-040925	4/9/2025	< 0.0050	< 0.015	< 0.015	0.0055	0.0052	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0034 J J	0.0043 J J	< 0.05	< 0.05	0.0034 J	0.0033 J	0.0063 J	0.0062 J
	P16-WRR-101525	10/15/2025	--	--	--	--	0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P16-WRR-101525-DUP	10/15/2025	--	--	--	--	0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				0.1 [1]		0.0012 [1]		0.2 [1]	0.0075 [1]		0.002 [1]		0.077 [1]		0.02 [1]		0.00027 [1]		1.2 [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-17	P17-WRR-041524	4/15/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020 UJ	< 0.04	< 0.04	< 0.02	< 0.02	0.0020 J	0.0015 J	0.017 JF1 J	< 0.02
	P17-WRR-101124	10/11/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0013 J	--	--
	P17-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	0.0023 J	0.0019 J	< 0.02	< 0.02
	P17-WRR-100825	10/8/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0014 J	--	--
P-43	P43-WRR-041724	4/17/2024	< 0.0050	0.0016 J	< 0.01	< 0.01	< 0.01	0.019 J	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0063 J	0.0062 J	< 0.02	< 0.02	0.0021 J J	0.0029 J J	< 0.02	< 0.02
	P43-WRR-041724-DUP	4/17/2024	< 0.0050	0.0015 J	< 0.01	< 0.01	< 0.01	0.0088 J	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0055 J J	0.0063 J J	< 0.02	< 0.02	0.0025 J	0.0024 J	< 0.02	< 0.02
	P43-WRR-101124	10/11/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0090 J	--	--	--	0.0019 J	--	--
	P43-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0075 J J	0.0079 J J	< 0.05	< 0.05	0.0037 J	0.0023 J	< 0.02	< 0.02
	P43-WRR-041125-DUP	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0072 J	0.0070 J	< 0.05	< 0.05	0.0037 J	0.0020 J	< 0.02	< 0.02
	P43-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	0.0030 J	--	--	--	0.0085 J	--	--	--	0.0018 J	--	--
P-56	P56-WRR-041824	4/18/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0019 J	0.0017 J	< 0.02	< 0.02
	P56-WRR-101524	10/15/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	< 0.04	--	--	--	< 0.01	--	--
	P56-WRR-041625	4/16/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	0.0036 J	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05 UJ	0.022 J J	< 0.01	< 0.01	< 0.02	< 0.02
	P56-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	0.0029 J	--	--	--	< 0.01	--	--	--	0.0017 J	--	--
P-59	P59-WRR-041924	4/19/2024	< 0.0050	0.0044 J	< 0.01	0.0077 J	< 0.01	< 0.0050	0.026	< 0.01	< 0.00020	< 0.00020	0.014 J	< 0.04	< 0.02	< 0.02	0.0022 J	< 0.01	0.014 J	< 0.02
	P59-WRR-101624	10/16/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0023 J	--	--	--	0.0011 J	--	--
	P59-WRR-041625	4/16/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0059 J	< 0.01	< 0.05 UJ	0.018 J J	0.0019 J	< 0.01	< 0.02	< 0.02
	P59-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	0.0044 J	--	--	--	< 0.01	--	--	--	0.0023 J	--	--
P-60	P60-WRR-041824	4/18/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01 UJ	0.0021 J J	< 0.02	< 0.02
	P60-WRR-041824-DUP	4/18/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P60-WRR-101624	10/16/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	< 0.04	--	--	--	< 0.01	--	--
	P60-WRR-101624-DUP	10/16/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	< 0.04	--	--	--	0.0011 J	--	--
	P60-WRR-041725	4/17/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	0.018 J	< 0.05	< 0.01	< 0.01	< 0.02 UJ	0.011 J J
	P60-WRR-041725-DUP	4/17/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	0.023 J	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P60-WRR-101025	10/10/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P60-WRR-101025-DUP	10/10/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-81A	P81A-WRR-040424	4/4/2024	< 0.0050	2	0.0059 J	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.075	0.066	< 0.02	< 0.02	0.012	< 0.01	< 0.02	< 0.02
	P81A-WRR-100424	10/4/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.064	--	--	--	< 0.0050	--	--
	P81A-WRR-040725	4/7/2025	< 0.0050	0.53	0.0058 J	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.082	0.078	< 0.05	< 0.05	0.0026 J	< 0.01	< 0.02	< 0.02
	P81A-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.056	--	--	--	< 0.0050	--	--
P-81B	P81B-WRR-040424	4/4/2024	< 0.0050	0.0014 J	< 0.01	0.0014 J J	0.0017 J J	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.011 J	0.0078 J	< 0.02	< 0.02	< 0.01 UJ	0.0013 J J	< 0.02	< 0.02
	P81B-WRR-100424	10/4/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0058 J	--	--	--	0.0018 J	--	--
	P81B-WRR-040725	4/7/2025	< 0.0050	< 0.015	< 0.015	< 0.0050 UJ	0.0017 J J	< 0.0050 UJ	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0085 J	0.0068 J	< 0.05	< 0.05	0.0036 J	0.0024 J	< 0.02	< 0.02
	P81B-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0016 J	--	--
P-81C	P81C-WRR-040424	4/4/2024	< 0.0050	0.02	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.034 J	0.025 J	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P81C-WRR-100424	10/4/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.049	--	--	--	< 0.0050	--	--
	P81C-WRR-040725	4/7/2025	< 0.0050	0.0081 J	< 0.015	< 0.0050	< 0.0050	0.0051	< 0.015	< 0.015	< 0.00020	< 0.00020	0.048	0.045	< 0.05 UJ	0.017 J J	< 0.01	< 0.01	< 0.02	< 0.02
	P81C-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.053	--	--	--	< 0.0050	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																	
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				0.1 [1]		0.0012 [1]		0.2 [1]	0.0075 [1]		0.002 [1]		0.077 [1]		0.02 [1]		0.00027 [1]		1.2 [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-81D	P81D-WRR-040424	4/4/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P81D-WRR-100424	10/4/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P81D-WRR-040725	4/7/2025	< 0.0050	0.0067 J J	0.0079 J J	< 0.0050	< 0.0050	0.012	< 0.015	< 0.015	< 0.00020	< 0.00020	0.012	0.012	< 0.05	< 0.05	0.04	0.038	0.0044 J	< 0.02
	P81D-WRR-101425	10/14/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-82A	P82A-WRR-040524	4/5/2024	< 0.0050	0.032	0.0037 J	0.0022 J	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.069	0.065	< 0.02	< 0.02	0.0028 J J	0.0029 J J	< 0.02	< 0.02
	P82A-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.11	--	--	--	0.0013 J	--	--
	P82A-WRR-041025	4/10/2025	< 0.0050	< 0.015 UJ	0.0030 J J	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.082 J	0.084 J	< 0.05 UJ	0.018 J J	< 0.01	< 0.01	0.0043 J	< 0.02
	P82A-WRR-101525	10/15/2025	--	--	--	--	0.0018 J	--	--	< 0.0050	--	--	--	0.11	--	--	--	0.0014 J	--	--
	P82A-WRR-101525-DUP	10/15/2025	--	--	--	--	0.0019 J	--	--	< 0.0050	--	--	--	0.13	--	--	--	0.0017 J	--	--
P-82B	P82B-WRR-040524	4/5/2024	< 0.0050	0.0022 J	< 0.01	< 0.01	< 0.01	0.0037 J	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04 UJ	0.0041 J J	< 0.02	< 0.02	< 0.01 UJ	0.0024 J J	< 0.02	< 0.02
	P82B-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P82B-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0023 J	< 0.01	< 0.05	< 0.05	0.0038 J	< 0.01	< 0.02	< 0.02
	P82B-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-82C	P82C-WRR-040524	4/5/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0018 J	0.0015 J	< 0.02	< 0.02
	P82C-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P82C-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	0.018 J	< 0.05	0.0028 J	< 0.01	< 0.02	< 0.02
	P82C-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-82D	P82D-WRR-040524	4/5/2024	< 0.0050	0.0047 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0082 J	< 0.04	< 0.02	< 0.02	< 0.01 UJ	0.0016 J J	< 0.02	< 0.02
	P82D-WRR-100724	10/7/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P82D-WRR-041025	4/10/2025	< 0.0050	0.019	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.014	0.0025 J	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P82D-WRR-101525	10/15/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-83A	P83A-WRR-041224	4/12/2024	< 0.0050	< 0.01	< 0.01	0.013	0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.023 J	0.022 J	< 0.02	< 0.02	0.0030 J	0.0023 J	< 0.02	< 0.02
	P83A-WRR-100924	10/9/2024	--	--	--	--	0.01	--	--	< 0.0050	--	--	--	0.024	--	--	--	0.0021 J	--	--
	P83A-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	0.01	0.0098	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.024	0.024	0.02 J J	0.031 J J	0.0031 J	0.0020 J	0.0071 J	0.0062 J
	P83A-WRR-102025	10/20/2025	--	--	--	--	0.0053	--	--	< 0.0050	--	--	--	0.037	--	--	--	0.0010 J	--	--
P-83B	P83B-WRR-041224	4/12/2024	< 0.0050	< 0.01	< 0.01	0.0069 J	0.0067 J	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.02 J	0.019 J	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P83B-WRR-100924	10/9/2024	--	--	--	--	0.0063	--	--	< 0.0050	--	--	--	0.02	--	--	--	0.0018 J	--	--
	P83B-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	0.0099 J	0.01 J	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.03 J	0.031 J	< 0.05	< 0.05	0.0080 J	< 0.01	0.0060 J	< 0.02
	P83B-WRR-102025	10/20/2025	--	--	--	--	0.0048 J	--	--	< 0.0050	--	--	--	0.017	--	--	--	< 0.0050	--	--
P-83C	P83C-WRR-041224	4/12/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0011 J	< 0.01	< 0.02	< 0.02
	P83C-WRR-100924	10/9/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0019 J	--	--	--	0.0014 J	--	--
	P83C-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05 UJ	0.022 J J	< 0.01	< 0.01	0.0079 J	< 0.02
	P83C-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-83D	P83D-WRR-041224	4/12/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P83D-WRR-100924	10/9/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P83D-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P83D-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-84A	P84A-WRR-041124	4/11/2024	< 0.0050	< 0.01	< 0.01	0.0039 J	0.0029 J	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.013 J	0.013 J	< 0.02	< 0.02	0.0017 J J	0.0026 J J	< 0.02	< 0.02
	P84A-WRR-101024	10/10/2024	--	--	--	--	0.0033 J	--	--	< 0.0050	--	--	--	0.012	--	--	--	0.0012 J	--	--
	P84A-WRR-041425	4/14/2025	< 0.0050	< 0.015	< 0.015	0.0035 J	0.0031 J	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.011	0.0098 J	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P84A-WRR-101725	10/17/2025	--	--	--	--	0.0018 J	--	--	< 0.0050	--	--	--	0.012	--	--	--	0.0010 J	--	--

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TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																	
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				**0.1** [1]		**0.0012** [1]		**0.2** [1]	**0.0075** [1]		**0.002** [1]		**0.077** [1]		**0.02** [1]		**0.00027** [1]		**1.2** [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-84B	P84B-WRR-041124	4/11/2024	< 0.0050	< 0.01	< 0.01	0.0038 J J	0.0042 J J	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0042 J	0.0039 J	< 0.02	< 0.02	0.0011 J	< 0.01	< 0.02	< 0.02
	P84B-WRR-101024	10/10/2024	--	--	--	--	0.0038 J	--	--	< 0.0050	--	--	--	0.0054 J	--	--	--	< 0.0050	--	--
	P84B-WRR-041425	4/14/2025	< 0.0050	< 0.015	< 0.015	0.0039 J J	0.0042 J J	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0048 J J	0.0057 J J	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P84B-WRR-101725	10/17/2025	--	--	--	--	0.0038 J	--	--	0.0030 J	--	--	--	0.0062 J	--	--	--	< 0.0050	--	--
P-84C	P84C-WRR-041124	4/11/2024	< 0.0050	0.0024 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0061 J	0.0041 J	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P84C-WRR-101024	10/10/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0036 J	--	--	--	< 0.0050	--	--
	P84C-WRR-041425	4/14/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0033 J	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	0.0061 J	< 0.02
	P84C-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-84D	P84D-WRR-041124	4/11/2024	< 0.0050	0.0035 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0013 J	< 0.01	< 0.02	< 0.02
	P84D-WRR-101024	10/10/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P84D-WRR-041425	4/14/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	0.0044 J	< 0.02
	P84D-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-85B	P85B-WRR-100725	10/7/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0017 J	--	--
	P85B-WRR-100725-DUP	10/7/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0019 J	--	--
P-85C	P85C-WRR-100725	10/7/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-85D	P85D-WRR-101025	10/10/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-86A	P86A-WRR-041524	4/15/2024	< 0.0050	< 0.01	< 0.01	0.017 J	0.018 J	< 0.0050	< 0.01	< 0.01	< 0.00020 UJ	0.0011 J	0.034 J J	0.035 J J	< 0.02	< 0.02	0.0011 J J	0.0020 J J	0.017 J J	0.018 J J
	P86A-WRR-101024	10/10/2024	--	--	--	--	0.0029 J	--	--	< 0.0050	--	--	--	0.0055 J	--	--	--	< 0.0050	--	--
	P86A-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	0.0025 J J	0.0032 J J	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01 UJ	0.0023 J J	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P86A-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-86B	P86B-WRR-041524	4/15/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	0.0025	< 0.04	< 0.04	< 0.02	< 0.02	0.0032 J	0.0030 J	< 0.02	< 0.02
	P86B-WRR-101024	10/10/2024	--	--	--	--	0.0012 J	--	--	< 0.0050	--	--	--	0.0025 J	--	--	--	0.0037 J	--	--
	P86B-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	0.000088 J	< 0.00020	< 0.01 UJ	0.0028 J J	< 0.05	< 0.05	0.0058 J	0.0048 J	< 0.02	< 0.02
	P86B-WRR-101625	10/16/2025	--	--	--	--	0.0014 J	--	--	0.0028 J	--	--	--	< 0.01	--	--	--	0.0042 J	--	--
P-86C	P86C-WRR-041524	4/15/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P86C-WRR-101024	10/10/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P86C-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P86C-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-86D	P86D-WRR-041524	4/15/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0012 J J	0.0016 J J	< 0.02	< 0.02
	P86D-WRR-101024	10/10/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P86D-WRR-041025	4/10/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P86D-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-87B	P87B-WRR-100825	10/8/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-87C	P87C-WRR-101025	10/10/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-87D	P87D-WRR-100825	10/8/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0012 J	--	--
P-88A	P88A-WRR-041024	4/10/2024	< 0.0050	0.013	0.0017 J	0.0039 J	0.0019 J	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.15	0.11	< 0.02	< 0.02	0.0076 J	0.0052 J	< 0.02	< 0.02
	P88A-WRR-100824	10/8/2024	--	--	--	--	0.0026 J	--	--	< 0.0050	--	--	--	0.14	--	--	--	0.0050	--	--
	P88A-WRR-040825	4/8/2025	< 0.0050	0.061	< 0.015	0.0094	0.0038 J	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.2	0.16	< 0.05	< 0.05	0.0063 J	0.0062 J	0.0060 J	0.0045 J
	P88A-WRR-101625	10/16/2025	--	--	--	--	0.0041 J	--	--	< 0.0050	--	--	--	0.19	--	--	--	0.0044 J	--	--

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TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																	
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				0.1 [1]		0.0012 [1]		0.2 [1]	0.0075 [1]		0.002 [1]		0.077 [1]		0.02 [1]		0.00027 [1]		1.2 [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-88B	P88B-WRR-041024	4/10/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P88B-WRR-100824	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P88B-WRR-040825	4/8/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P88B-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-88C	P88C-WRR-041024	4/10/2024	< 0.0050	0.0026 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0014 J	< 0.01	< 0.02	< 0.02
	P88C-WRR-100824	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P88C-WRR-040825	4/8/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	0.0042 JF1 J	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P88C-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-88D	P88D-WRR-041024	4/10/2024	< 0.0050	0.0020 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0094 J	< 0.04	< 0.02	< 0.02	0.0029 J	< 0.01	< 0.02	< 0.02
	P88D-WRR-100824	10/8/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
	P88D-WRR-040825	4/8/2025	< 0.0050	0.0030 J	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0085 J	0.0027 J	< 0.05	< 0.05	0.0019 J	< 0.01	0.0053 J	< 0.02
	P88D-WRR-101625	10/16/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-93A	P93A-WRR-041824	4/18/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0033 J	0.0033 J	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P93A-WRR-101724	10/17/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	0.0047 J	--	--	--	0.0026 J	--	--
	P93A-WRR-041725	4/17/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01 UJ	0.0023 J J	< 0.02	< 0.02
	P93A-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-93B	P93B-WRR-041924	4/19/2024	< 0.0050	0.0026 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0011 J	< 0.01	< 0.02	< 0.02
	P93B-WRR-101724	10/17/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	0.0045 J	--	--	--	0.0013 J	--	--
	P93B-WRR-041825	4/18/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P93B-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-93C	P93C-WRR-041924	4/19/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	P93C-WRR-101724	10/17/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	0.0046 J	--	--	--	< 0.01	--	--
	P93C-WRR-041725	4/17/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	P93C-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-93D	P93D-WRR-042224	4/22/2024	< 0.0050	0.0017 J	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0012 J	< 0.01	0.016 J J	0.018 J J
	P93D-WRR-101524	10/15/2024	--	--	--	--	< 0.01	--	--	< 0.01	--	--	--	< 0.04	--	--	--	< 0.01	--	--
	P93D-WRR-041625	4/16/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05 UJ	0.019 J J	< 0.01	< 0.01	0.0040 J	< 0.02
	P93D-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
P-94	P94-WRR-041724	4/17/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0059	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0087 J	0.0084 J	< 0.02	< 0.02	0.0011 J	< 0.01	< 0.02	< 0.02
	P94-WRR-101124	10/11/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0090 J	--	--	--	< 0.0050	--	--
	P94-WRR-101124-DUP	10/11/2024	--	--	--	--	0.00088 J	--	--	< 0.0050	--	--	--	0.0091 J	--	--	--	< 0.0050	--	--
	P94-WRR-041125	4/11/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0088 J	0.0083 J	< 0.05 UJ	0.023 J J	0.0019 J	< 0.01	< 0.02	< 0.02
	P94-WRR-102025	10/20/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0095 J	--	--	--	< 0.0050	--	--
P-95	P95-WRR-041724	4/17/2024	< 0.0050	0.0017 J	< 0.01	0.016	0.014	0.0064	< 0.01	< 0.01	< 0.00020	< 0.00020	0.012 J	0.011 J	< 0.02	< 0.02	0.0017 J	< 0.01	< 0.02	< 0.02
	P95-WRR-101524	10/15/2024	--	--	--	--	0.018	--	--	< 0.01	--	--	--	0.014 J	--	--	--	< 0.01	--	--
	P95-WRR-041425	4/14/2025	< 0.0050	0.0058 J	< 0.015	0.018	0.017	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.012	0.012	< 0.05	< 0.05	< 0.01	< 0.01	0.01 J	< 0.02
	P95-WRR-041425-DUP	4/14/2025	< 0.0050	0.0069 J	< 0.015	0.018	0.017	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.012	0.012	< 0.05	< 0.05	< 0.01	< 0.01	0.0093 J	< 0.02
	P95-WRR-101425	10/14/2025	--	--	--	--	0.015	--	--	< 0.0050	--	--	--	0.0098 J	--	--	--	< 0.0050	--	--
	P95-WRR-101425-DUP	10/14/2025	--	--	--	--	0.016	--	--	< 0.0050	--	--	--	0.01	--	--	--	< 0.0050	--	--

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3a
WRR MONITORING PROGRAM
SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			Metals																
			Cadmium, Dissolved	Chromium	Chromium, Dissolved	Cobalt	Cobalt, Dissolved	Cyanide	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Nickel	Nickel, Dissolved	Selenium	Selenium, Dissolved	Vanadium	Vanadium, Dissolved	Zinc	Zinc, Dissolved
Screening Values* (mg/L)				**0.1** [1]		**0.0012** [1]		**0.2** [1]	**0.0075** [1]		**0.002** [1]		**0.077** [1]		**0.02** [1]		**0.00027** [1]		**1.2** [1]	
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
T-1	T1-WRR-041724	4/17/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0063	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	0.0010 J	< 0.01	< 0.02	< 0.02
	T1-WRR-041724-DUP	4/17/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	0.0063	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	T1-WRR-101424	10/14/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0025 J	--	--	--	< 0.0050	--	--
	T1-WRR-101424-DUP	10/14/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0023 J	--	--	--	< 0.0050	--	--
	T1-WRR-041425	4/14/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	0.0040 J	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	T1-WRR-101025	10/10/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	< 0.0050	--	--
T-12	T12-WRR-041924	4/19/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.04	< 0.04	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02
	T12-WRR-101624	10/16/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0026 J	--	--	--	< 0.0050	--	--
	T12-WRR-041625	4/16/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	0.0072 J	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02	< 0.02
	T12-WRR-101725	10/17/2025	--	--	--	--	< 0.0050	--	--	0.0091	--	--	--	< 0.01	--	--	--	0.0015 J	--	--
T-13	T13-WRR-041624	4/16/2024	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0050	< 0.01	< 0.01	< 0.00020 UJ	0.00087 J	< 0.04	< 0.04	< 0.02	< 0.02	0.0030 J	0.0023 J	< 0.02	< 0.02
	T13-WRR-101424	10/14/2024	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	0.0020 J	--	--	--	0.0010 J	--	--
	T13-WRR-041525	4/15/2025	< 0.0050	< 0.015	< 0.015	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.015	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.02 UJ	0.0044 J J
	T13-WRR-100625	10/6/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.0012 J	--	--
T-41	T41-WRR-100725	10/7/2025	--	--	--	--	< 0.0050	--	--	< 0.0050	--	--	--	< 0.01	--	--	--	0.061	--	--

NOTES:

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

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

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

	Indicates a historical exceedance of screening criteria.
	Indicates a current exceedance of screening criteria.
--	Empty shaded cell without a value indicates previous quarter analyte result was rejected or the analyte was not analyzed.
--	Empty cell without a value indicates current quarter analyte result was rejected or the analyte was not analyzed.

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

Groundwater monitoring well designated for sampling in the Semiannual WRR Groundwater Sampling Program, P-55R, contained LNAPL; therefore, this well was not sampled.

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

Analytical results for Roxana Interim Groundwater Monitoring Program well locations included in the WRR RCRA Part B permit as GMZ boundary wells are included in Table 3b.

LABORATORY QUALIFIERS

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

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

H = Analyzed or extracted out of holding time criteria.

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

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

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

*1 = LCS/LCSD RPD exceeds control limits.

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

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	1.0 [1]	0.005 [1]	0.07 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-01[GMZ]	MW1-ROX-011725	1/17/2025	< 0.025	0.0041	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-021425	2/14/2025	< 0.025	0.00084 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00060 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00060 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00042 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-101425	10/14/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-02	MW2-ROX-012425	1/24/2025	< 0.025	0.0027	< 0.025	0.0046	0.0061	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0038	< 0.0010	0.11	0.047	< 0.025	< 0.0010	0.014	0.07	0.0022	< 0.0010	0.016
	MW2-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	0.0077	0.01	0.00090 J	< 0.0010	< 0.0010	< 0.0010	0.0038	< 0.0010	0.056	0.061	< 0.025	< 0.0010	0.014	0.097	0.0022	< 0.0010	0.02
	MW2-ROX-071525	7/15/2025	0.02 J	0.00072 J	0.013 J	0.0027	0.0058	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0033	< 0.0010	0.025	0.033	< 0.025	< 0.0010	0.0043 J	0.052	0.0012	< 0.0010	0.0047
	MW2-ROX-101425	10/14/2025	0.038 J	< 0.0025	< 0.025	0.0086	0.0060	< 0.0050	< 0.01	< 0.01	< 0.025	0.0055	< 0.0050	0.26	0.058	< 0.025	< 0.0050	0.023	0.08	0.0022 J	< 0.0025	0.059
	MW2-ROX-101425-DUP	10/14/2025	0.03 J	0.00097 J	< 0.025	< 0.0050	0.0055	< 0.0050	< 0.01	< 0.01	< 0.025	0.0051	< 0.0050	0.25	0.054	< 0.025	< 0.0050	0.022	0.073	0.0019 J	< 0.0025	0.06
MW-03[GMZ]	MW3-ROX-011625	1/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-040925	4/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00069 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00030 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-101025	10/10/2025	< 0.01 UJ	0.00023 J	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-04	MW4-ROX-012725	1/27/2025	< 0.025	0.0012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0022	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-041825	4/18/2025	0.017 J	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0012	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-071525	7/15/2025	< 0.025	7.5	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00023 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-100925	10/9/2025	< 20	620	< 10	< 2	< 2	< 2	< 4	2.2 J J	< 10	< 2	< 2	< 1	< 2	< 10	< 2	< 2	< 2	0.54 J	< 1	< 2
	MW4-ROX-100925-DUP	10/9/2025	< 20	620	< 10	< 2	< 2	< 2	< 4	2 J J	< 10	< 2	< 2	< 1	< 2	< 10	< 2	< 2	< 2	0.48 J	< 1	< 2
	MW4-ROX-121025	12/10/2025	< 63	280	< 63	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 63	< 2.5	< 13	< 2.5	< 2.5	< 2.5	< 2.5
MW-05[GMZ]	MW5-ROX-011625	1/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0016	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-040925	4/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0022	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0026	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-101025	10/10/2025	< 0.01 UJ	0.0011	< 0.0050 UJ	< 0.0010	< 0.0010	0.0021	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	0.0027	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-06A[GMZ]	MW6A-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00032 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00038 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-100825	10/8/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-06B[GMZ]	MW6B-ROX-012225	1/22/2025	< 0.025	0.00081 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00030 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00042 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-041025-DUP	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-100825	10/8/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-06C[GMZ]	MW6C-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-070925	7/9/2025	< 0.025 UJ	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-100825	10/8/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-06D[GMZ]	MW6D-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-040925	4/9/2025	< 0.025 UJ	0.00076 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-100825	10/8/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
Screening Values* (mg/L)			**3.5** [1]	**0.005** [1]	**2.3** [1]	**0.35** [3]	**0.7** [3]	**0.7** [3]	**0.38** [1]	**0.07** [1]	**5,320** [3]		**0.07** [1]	**0.7** [1]	**0.38** [1]	**19,000** [3]	**0.038** [1]	**0.077** [1]	**0.7** [3]	**1.0** [1]	**0.005** [1]	**0.07** [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-07	MW7-ROX-012725	1/27/2025	< 50	390	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	MW7-ROX-041825	4/18/2025	< 25 UJ	400	< 25 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 25 UJ	< 1 UJ	< 5 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ
MW-09	MW9-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-040425	4/4/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-100625	10/6/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-10[GMZ]	MW10-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-070725	7/7/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-100625	10/6/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-11[GMZ]	MW11-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-100625	10/6/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-12	MW12-ROX-011625	1/16/2025	< 0.025	0.032	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-021325	2/13/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-040825	4/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-100725	10/7/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-13	MW13-ROX-012325	1/23/2025	< 0.025	0.00056 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00081 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-012325-DUP	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00077 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00093 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00054 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-100925	10/9/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-14[GMZ]	MW14-ROX-012425	1/24/2025	< 0.025	0.0018	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00069 J	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-041525	4/15/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00078 J	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-071025	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-071025-DUP	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-101325	10/13/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
	MW14-ROX-101325-DUP	10/13/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-16[GMZ]	MW16-ROX-011625	1/16/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-040825	4/8/2025	< 0.025 UJ	< 0.0010	< 0.025 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010 UJ	< 0.0010 UJ	< 0.025	< 0.0010	< 0.0050	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ
	MW16-ROX-070725	7/7/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-100725	10/7/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-22[GMZ]	MW22-ROX-012425	1/24/2025	< 0.05	0.053	< 0.05	0.011	0.0072	0.011	< 0.0020	< 0.0020	< 0.0020	0.0034	< 0.0020	0.83	0.086	< 0.05	< 0.0020	0.19	0.15	0.084	< 0.0020	0.22
	MW22-ROX-041725	4/17/2025	< 0.25	0.083	< 0.25	0.019	0.012	0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.88	0.13	< 0.25	< 0.01	0.23	0.24	0.11	< 0.01	0.26
	MW22-ROX-041725-DUP	4/17/2025	< 0.25	0.079	< 0.25	0.017	0.011	0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.82	0.12	< 0.25	< 0.01	0.22	0.22	0.1	< 0.01	0.23
	MW22-ROX-071525	7/15/2025	< 0.13	0.021	< 0.13	< 0.0050	< 0.0050	< 0.0050	0.0069	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.24	0.027	< 0.13	< 0.0050	0.12	0.043	0.042	< 0.0050	0.062
	MW22-ROX-101525	10/15/2025	< 0.13	0.0033 J	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.046	0.013	< 0.13	< 0.0050	0.056	0.022	0.017	< 0.0050	0.012

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TABLE 3b
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SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	1.0 [1]	0.005 [1]	0.07 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-23	MW23-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00031 J	< 0.0010	< 0.0010	< 0.025	0.00076 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW23-ROX-040825	4/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00036 J	< 0.0010	< 0.0010	< 0.025	0.00094 J	< 0.0050	< 0.0010	< 0.0010	0.00055 J	< 0.0010
	MW23-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00029 J	< 0.0010	< 0.0010	< 0.025	0.0012	< 0.0050	< 0.0010	< 0.0010	0.00031 J	< 0.0010
	MW23-ROX-100925	10/9/2025	< 0.01	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	0.00095 J	< 0.0010	< 0.0010	< 0.00050	0.00068	< 0.0010
MW-24	MW24-ROX-011725	1/17/2025	< 0.025	0.0015	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-041425	4/14/2025	< 0.025	0.0019	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-071525	7/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	0.00090 J	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-102025	10/20/2025	< 0.025	0.15	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-121025	12/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-25	MW25-ROX-012725	1/27/2025	< 50	650	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-012725-DUP	1/27/2025	< 50	610	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-041825	4/18/2025	< 2.5	190	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.1	0.14	< 0.1	< 2.5	< 0.1	< 0.5	< 0.1	0.12	< 0.1	< 0.1
	MW25-ROX-041825-DUP	4/18/2025	< 2.5	230	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.1	0.14	< 0.1	< 2.5	< 0.1	< 0.5	< 0.1	0.15	< 0.1	< 0.1
	MW25-ROX-071525	7/15/2025	< 50	410	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-071525-DUP	7/15/2025	< 50	400	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
MW-26[GMZ]	MW26-ROX-012825	1/28/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-040825	4/8/2025	< 0.025	0.00057 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-100725	10/7/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-27	MW27-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-101325	10/13/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
MW-28[GMZ]	MW28-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00028 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-041525	4/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00037 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-101325	10/13/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
P-114R	P114R-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00096 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00061 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00057 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-102125	10/21/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00078 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-54	P54-ROX-011725	1/17/2025	< 0.025	0.0045	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00059 J	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-041125	4/11/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-101025	10/10/2025	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
P-56	P56-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	0.0036	0.0045	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0030	< 0.0010	0.46	0.053	< 0.025	< 0.0010	0.039	0.06	0.0049	< 0.0010	0.12
	P56-ROX-041625	4/16/2025	< 0.13	< 0.0050	< 0.13	< 0.0050	0.0043 J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.16	0.031	< 0.13	< 0.0050	< 0.025	0.036	< 0.0050	< 0.0050	0.038
	P56-ROX-071025	7/10/2025	< 0.05	< 0.0020	< 0.05	0.0021	0.0036	< 0.0020	< 0.0020	0.0031	< 0.0020	0.0019 J	< 0.0020	0.0082 F2	0.031	< 0.05	< 0.0020	0.0094 J	0.036	< 0.0020	< 0.0020	0.049
	P56-ROX-101725	10/17/2025	0.026 J	0.0013 J	< 0.05	0.0037	0.0046	< 0.0020	0.0014 J	< 0.0020	< 0.0020	0.0028	< 0.0020	0.13	0.051	0.0079 J	< 0.0020	0.015	0.06	0.0024	< 0.0020	0.082

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	1.0 [1]	0.005 [1]	0.07 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-57	P57-ROX-012325	1/23/2025	< 0.025	0.1	< 0.025	0.0059	0.011	0.012	< 0.0010	< 0.0010	< 0.0010	0.00088 J	< 0.0010	0.0045	0.043	< 0.025	< 0.0010	0.032	0.054	0.0058	< 0.0010	< 0.0010
	P57-ROX-041725	4/17/2025	< 0.025	0.059	0.0027 J	0.0026	0.0051	0.0055	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0020	0.025	< 0.025	< 0.0010	0.018	0.027	0.0039	< 0.0010	< 0.0010
	P57-ROX-071025	7/10/2025	< 0.025	0.0072	0.0031 J	0.0010	0.0028	0.0033	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	0.00051 J	0.012	< 0.025	< 0.0010	< 0.0050	0.0088	0.0028	< 0.0010	< 0.0010
	P57-ROX-101625	10/16/2025	< 0.025	0.058	< 0.025	0.0020	0.0042	0.0053	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0026	0.019	< 0.025	< 0.0010	0.029	0.021	0.0043	< 0.0010	< 0.0010
P-58	P58-ROX-012725	1/27/2025	< 50	230	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	P58-ROX-041825	4/18/2025	< 25	200	< 25	< 1	< 1	< 1	< 1	< 1	< 1 UJ	< 1	< 1	< 1	< 1	< 25	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-071425	7/14/2025	< 25	390	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.66 J	< 1	< 25	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-071425-DUP	7/14/2025	< 25	350	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.63 J	< 1	< 25	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-101625	10/16/2025	< 63	290	< 63	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 63	< 2.5	< 13	< 2.5	< 2.5	< 2.5	< 2.5
P-59	P59-ROX-012425	1/24/2025	0.033	0.23	< 0.025	0.0031	0.0019	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.088	0.028	< 0.025	< 0.0010	0.024	0.04	0.06	< 0.0010	0.17
	P59-ROX-012425-DUP	1/24/2025	0.034	0.41	< 0.025	0.0037	0.0022	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.16	0.034	< 0.025	< 0.0010	0.037	0.05	0.09	< 0.0010	0.21
	P59-ROX-041625	4/16/2025	0.056 J	0.61	0.014 J	0.0049 J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.18	0.049	< 0.13	< 0.0050	0.032	0.082	0.11	< 0.0050	0.13
	P59-ROX-071125	7/11/2025	< 0.25	0.42	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.21	0.017	< 0.25	< 0.01	0.039 J	0.028	0.064	< 0.01	0.071
	P59-ROX-101725	10/17/2025	< 0.25	0.57	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.19	0.027	< 0.25	< 0.01	0.036 J	0.048	0.083	< 0.01	0.097
P-74	P74-ROX-012425	1/24/2025	< 0.25	3.5	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.052	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	0.06	< 0.01	0.02
	P74-ROX-041825	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	0.018	< 0.01	0.0085 J
	P74-ROX-041825-DUP	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 UJ	< 0.01	< 0.01	0.01	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	0.019	< 0.01	< 0.01
	P74-ROX-071125	7/11/2025	< 0.25	4.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.074	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	0.052	< 0.01	0.021
	P74-ROX-101625	10/16/2025	< 0.5	3.1	< 0.5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.031	< 0.02	< 0.5	< 0.02	< 0.1	< 0.02	0.045	< 0.02	< 0.02
P-93A	P93A-ROX-012725	1/27/2025	< 5	40	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
	P93A-ROX-012725-DUP	1/27/2025	< 5	40	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
	P93A-ROX-041725	4/17/2025	< 13	49	< 13	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 13	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5
	P93A-ROX-071125	7/11/2025	< 5	56	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
	P93A-ROX-102025	10/20/2025	< 5	48	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
P-93B	P93B-ROX-012725	1/27/2025	< 50	460	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2	< 2
	P93B-ROX-041825	4/18/2025	< 130	880	< 130	< 5	< 5	< 5	< 5	< 5	< 5 UJ	< 5	< 5	< 5	< 5	< 130	< 5	< 25	< 5	< 5	< 5	< 5
	P93B-ROX-071425	7/14/2025	< 130 UJ	930	< 130 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 130 UJ	< 5 UJ	< 25 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ
	P93B-ROX-102025	10/20/2025	< 130	600	< 130	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 130	< 5	< 25	< 5	< 5	< 5	< 5
P-93C	P93C-ROX-012725	1/27/2025	< 2.5	13	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2.5	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1
	P93C-ROX-041725	4/17/2025	< 0.05	0.25	< 0.05	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.05	0.00044 J	< 0.01	< 0.0020	< 0.0020	< 0.0020	< 0.0020
	P93C-ROX-071025	7/10/2025	< 0.025	1.7	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93C-ROX-071025-DUP	7/10/2025	< 0.025	1.9	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00035 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93C-ROX-102025	10/20/2025	< 0.025	0.00086 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-93D	P93D-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00077 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00090 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-071025	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00051 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-102025	10/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00059 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
ROST-3-MW[GMZ]	ROST3MW-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-041525	4/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00066 J	< 0.025	< 0.0010	< 0.0050	0.00076 J	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-101425	10/14/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	0.0016	< 0.0050	< 0.0010	0.0029	0.0022	< 0.00050	< 0.00050	< 0.0010

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	1.0 [1]	0.005 [1]	0.07 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
ROST-4-PZ(C)	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.025	0.0011	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0066	< 0.025	< 0.0010	0.066	0.0095	0.01	< 0.0010	0.0076
	ROST4PZC-ROX-041625	4/16/2025	< 0.025	0.0014	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.0010	0.00060 J	0.0099	< 0.025	< 0.0010	0.11	0.014	0.013	< 0.0010	0.013
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.025	0.0015	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.0010	0.00069 J	0.0098	< 0.025	< 0.0010	0.11	0.014	0.013	< 0.0010	0.013
	ROST4PZC-ROX-070925	7/9/2025	< 0.025	0.0011	0.0077 J	< 0.0010	< 0.0010	< 0.0010	0.00053 J	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	0.0041	< 0.025	< 0.0010	0.069	0.0052	0.0087	< 0.0010	0.0045
	ROST4PZC-ROX-070925-DUP	7/9/2025	< 0.025	0.0010	0.0079 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	0.0046	< 0.025	< 0.0010	0.077	0.0057	0.0088	< 0.0010	0.0042
	ROST4PZC-ROX-101525	10/15/2025	< 0.13	< 0.0050	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0057	< 0.13	< 0.0050	0.062	0.0073	0.012	< 0.0050	< 0.0050
ROST-4-PZ(E)	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-101425	10/14/2025	< 0.01	< 0.00050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.00050	< 0.0010
ROST-4-PZ(G)	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00091 J	0.0058	< 0.025	< 0.0010	0.0071	0.0083	0.0016	< 0.0010	< 0.0010
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.025	0.0073	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00089 J	0.0053	< 0.025	< 0.0010	0.0048 J	0.0075	0.0015	< 0.0010	< 0.0010
	ROST4PZG-ROX-041625	4/16/2025	< 0.025	0.012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	0.0070	< 0.025	< 0.0010	0.0091	0.011	0.0017	< 0.0010	< 0.0010
	ROST4PZG-ROX-070925	7/9/2025	< 0.025	0.0083	0.0087 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	0.00091 J	0.0022	< 0.025	< 0.0010	0.0053	0.0025	0.0013	< 0.0010	< 0.0010
	ROST4PZG-ROX-101525	10/15/2025	< 0.025	0.0085	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	0.0025	< 0.025	< 0.0010	0.0045 J	0.0037	0.0016	< 0.0010	< 0.0010
T-12	T12-ROX-012425	1/24/2025	< 0.13	1.8	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.18	0.028	< 0.13	< 0.0050	0.069	0.048	0.23	< 0.0050	0.037
	T12-ROX-0414625	4/16/2025	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	0.035	< 0.25	< 0.01	0.05	0.059	0.15	< 0.01	0.029
	T12-ROX-071125	7/11/2025	< 0.25	1.2	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.041	0.022	< 0.25	< 0.01	0.036 J	0.037	0.065	< 0.01	0.01
	T12-ROX-101725	10/17/2025	< 0.25	1.4	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.023	0.029	< 0.25	< 0.01	< 0.05	0.058	0.031	< 0.01	< 0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs				SVOCs															
			1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b)pyridine (Quinoline)	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]		0.21 [3]	15 [1]	0.7 [3]	0.006 [1]	1.4 [2]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																			
MW-01 [GMZ]	MW1-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW1-ROX-021425	2/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW1-ROX-041425	4/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW1-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW1-ROX-101425	10/14/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-02	MW2-ROX-012425	1/24/2025	0.02	0.053	0.0058	0.059	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.028	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
	MW2-ROX-041625	4/16/2025	0.022	0.029	0.0033 J	0.032	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	0.027 J J	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	MW2-ROX-071525	7/15/2025	0.0032	0.014	< 0.0050	0.015	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW2-ROX-101425	10/14/2025	0.036	0.15	0.01	0.16	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW2-ROX-101425-DUP	10/14/2025	0.034	0.15	0.0098	0.16	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
MW-03 [GMZ]	MW3-ROX-011625	1/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW3-ROX-040925	4/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.028 J	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW3-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW3-ROX-101025	10/10/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-04	MW4-ROX-012725	1/27/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW4-ROX-041825	4/18/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.032 J	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW4-ROX-071525	7/15/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW4-ROX-100925	10/9/2025	< 2	< 2	< 1	< 2	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.036 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW4-ROX-100925-DUP	10/9/2025	< 2	< 2	< 1	< 2	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW4-ROX-121025	12/10/2025	< 2.5	< 13	< 13	< 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05 [GMZ]	MW5-ROX-011625	1/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW5-ROX-040925	4/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.03	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	MW5-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW5-ROX-101025	10/10/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.036	< 0.01	< 0.01	< 0.01	< 0.01
MW-06A [GMZ]	MW6A-ROX-012225	1/22/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.011	< 0.00020	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.032	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
	MW6A-ROX-041025	4/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW6A-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW6A-ROX-100825	10/8/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
MW-06B [GMZ]	MW6B-ROX-012225	1/22/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.011	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.011	< 0.01	< 0.032	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
	MW6B-ROX-041025	4/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW6B-ROX-041025-DUP	4/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW6B-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW6B-ROX-100825	10/8/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-06C [GMZ]	MW6C-ROX-012025	1/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW6C-ROX-041025	4/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	0.000078 J	0.000070 J	0.000082 J	< 0.01 UJ	0.000079 J	< 0.03	< 0.01 UJ	< 0.01	< 0.01	0.00042 J	< 0.01
	MW6C-ROX-070925	7/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0093	< 0.00019	< 0.0093	< 0.00019	< 0.00019	< 0.00019	< 0.0093	< 0.00019	< 0.093	< 0.033	< 0.0093	< 0.0093	0.00049 J	< 0.0093
	MW6C-ROX-100825	10/8/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	0.00062 J	< 0.0099
MW-06D [GMZ]	MW6D-ROX-012225	1/22/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW6D-ROX-040925	4/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	0.000083 J	0.00011 J	0.00019 J	< 0.01	0.00014 J	< 0.03	< 0.01 UJ	< 0.01 UJ	< 0.01	< 0.01 UJ	< 0.01
	MW6D-ROX-070925	7/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW6D-ROX-100825	10/8/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs				SVOCs															
			1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b)pyridine (Quinoline)	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]		0.21 [3]	15 [1]	0.7 [3]	0.006 [1]	1.4 [2]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																			
MW-07	MW7-ROX-012725	1/27/2025	< 2	< 10	< 10	< 20	0.00051 J	< 0.01	< 0.0097	0.000094 J	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.0097	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW7-ROX-041825	4/18/2025	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	0.00036	0.000063 J	0.0013 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.077 J	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098
MW-09	MW9-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	MW9-ROX-040425	4/4/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW9-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW9-ROX-100625	10/6/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.036	< 0.01	< 0.01	< 0.01	< 0.01
MW-10[GMZ]	MW10-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW10-ROX-040725	4/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020 UJ	< 0.00020	< 0.01	< 0.00020 UJ	< 0.03	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW10-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW10-ROX-100625	10/6/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-11[GMZ]	MW11-ROX-012225	1/22/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	MW11-ROX-040725	4/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW11-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW11-ROX-100625	10/6/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
MW-12	MW12-ROX-011625	1/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.028	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW12-ROX-021325	2/13/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW12-ROX-040825	4/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
	MW12-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW12-ROX-100725	10/7/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1 UJ	< 0.035 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
MW-13	MW13-ROX-012325	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.0096	< 0.0099	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-012325-DUP	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-041425	4/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	MW13-ROX-070925	7/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.096	< 0.033	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-100925	10/9/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-14[GMZ]	MW14-ROX-012425	1/24/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW14-ROX-041525	4/15/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.00019	0.032 J	< 0.0096 UJ	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW14-ROX-071025	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW14-ROX-071025-DUP	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW14-ROX-101325	10/13/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	0.0037 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW14-ROX-101325-DUP	10/13/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	0.00017 J J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-16[GMZ]	MW16-ROX-011625	1/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW16-ROX-021425	2/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW16-ROX-040825	4/8/2025	< 0.0010 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.01 UJ	< 0.00019	< 0.00019	< 0.0093 UJ	< 0.00019	< 0.0093	< 0.00019	< 0.00019	< 0.00019	< 0.0093	< 0.00019	< 0.028	< 0.0093 UJ	< 0.0093 UJ	< 0.0093	< 0.0093 UJ	< 0.0093
	MW16-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	MW16-ROX-100725	10/7/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-22[GMZ]	MW22-ROX-012425	1/24/2025	0.11	1.4	0.078	1.5	0.00010 J	< 0.0099	< 0.0093	< 0.0099	< 0.0093	< 0.0099	< 0.0099	< 0.0099	< 0.0093	< 0.0099	< 0.028	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093
	MW22-ROX-041725	4/17/2025	0.15	2.1	0.11	2.2	0.000096 J	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	0.027 J J	0.012	< 0.0098	< 0.0098	< 0.0098	< 0.0098 UJ
	MW22-ROX-041725-DUP	4/17/2025	0.13	1.9	0.11	2	0.000086 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	0.028 J J	0.0094 J	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	MW22-ROX-071525	7/15/2025	0.031	0.6	0.029	0.63	< 0.00020	< 0.00020	0.00078 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW22-ROX-101525	10/15/2025	0.0096	0.14	< 0.025	0.15	0.000085 J	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs				SVOCs															
			1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b)pyridine (Quinoline)	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]		0.21 [3]	15 [1]	0.7 [3]	0.006 [1]	1.4 [2]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																			
MW-23	MW23-ROX-012325	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW23-ROX-040825	4/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW23-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW23-ROX-100925	10/9/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
MW-24	MW24-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW24-ROX-021425	2/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW24-ROX-041425	4/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03 UJ	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	MW24-ROX-071525	7/15/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW24-ROX-102025	10/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.036	< 0.01	< 0.01	< 0.01	< 0.01
	MW24-ROX-121025	12/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25	MW25-ROX-012725	1/27/2025	< 2	< 10	< 10	< 20	0.00011 J	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.028	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	MW25-ROX-012725-DUP	1/27/2025	< 2	< 10	< 10	< 20	0.00010 J	< 0.01	< 0.0093	< 0.01	< 0.0093	< 0.01	< 0.01	< 0.01	< 0.0093	< 0.01	< 0.028	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093
	MW25-ROX-041825	4/18/2025	< 0.1	< 0.5	< 0.5	< 1	< 0.00020	< 0.00020	0.0054 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.047 J	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	MW25-ROX-041825-DUP	4/18/2025	< 0.1	< 0.5	< 0.5	< 1	< 0.00019	0.000049 J	0.0055 J	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.00019	0.049 J	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW25-ROX-071525	7/15/2025	< 2	< 10	< 10	< 20	0.00017 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	MW25-ROX-071525-DUP	7/15/2025	< 2	< 10	< 10	< 20	0.00014 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
MW-26[GMZ]	MW26-ROX-012825	1/28/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.028	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
	MW26-ROX-040825	4/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
	MW26-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW26-ROX-100725	10/7/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1 UJ	< 0.035 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
MW-27	MW27-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	MW27-ROX-040725	4/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0010	< 0.0010	< 0.05	< 0.0010	< 0.05	< 0.0010	< 0.0010	< 0.0010	< 0.05	< 0.0010	0.12 J*- J	< 0.05 UJ	< 0.05	< 0.05	< 0.05	< 0.05
	MW27-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	MW27-ROX-101325	10/13/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
MW-28[GMZ]	MW28-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	MW28-ROX-041525	4/15/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	MW28-ROX-070725	7/7/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	MW28-ROX-101325	10/13/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-114R	P114R-ROX-012325	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00053 J	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	P114R-ROX-041425	4/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	P114R-ROX-070925	7/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	0.00077 J
	P114R-ROX-102125	10/21/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-54	P54-ROX-011725	1/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.028	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	P54-ROX-021425	2/14/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	P54-ROX-041125	4/11/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P54-ROX-070825	7/8/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.095	< 0.033	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	P54-ROX-101025	10/10/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-56	P56-ROX-012325	1/23/2025	0.038	0.26	0.014	0.28	0.0014 J	0.00010 J	< 0.0099	0.00014 J	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.03	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P56-ROX-041625	4/16/2025	0.011	0.12	< 0.025	0.12	0.0011 J	0.000077 J J	< 0.0099 UJ	< 0.00020 UJ	< 0.0099 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.0099 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ
	P56-ROX-071025	7/10/2025	0.016	0.11 F1 J	0.0060 JF2	0.11 F1 J	0.0013	0.000086 J	< 0.0099	0.000077 J	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P56-ROX-101725	10/17/2025	0.032	0.18	0.0088 J	0.19	0.0012	0.00012 J	< 0.01	0.00013 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01 U	< 0.01	< 0.01	< 0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs				SVOCs														
			1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b)pyridine (Quinoline)	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]		0.21 [3]	15 [1]	0.7 [3]	0.006 [1]	1.4 [2]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-57	P57-ROX-012325	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00068 J	0.000089 J	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	P57-ROX-041725	4/17/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00044	0.000057 J	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.03	0.0095 J	< 0.0098	< 0.0098	< 0.0098	< 0.0098 UJ
	P57-ROX-071025	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00018 J	0.000067 J	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020 UJ	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	P57-ROX-101625	10/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00057	0.000068 J	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-58	P58-ROX-012725	1/27/2025	< 2	< 10	< 10	< 20	0.0017 J	0.00031 J	< 0.01	0.00014 J	< 0.01	0.00020 J	0.00025 J	0.00015 J	< 0.01	0.00011 J	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P58-ROX-041825	4/18/2025	< 1	< 5	< 5	< 10	0.00079	0.00018 J	0.0036 J	< 0.00020	< 0.0099	0.000056 J	0.000051 J	< 0.00020	< 0.0099	< 0.00020	0.065 J	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P58-ROX-071425	7/14/2025	< 1	< 5	< 5	< 10	0.00076	0.00020	< 0.01	< 0.00020	< 0.01	0.000044 J	0.000052 J	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	P58-ROX-071425-DUP	7/14/2025	< 1	< 5	< 5	< 10	0.00073	0.00021	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	P58-ROX-101625	10/16/2025	< 2.5	< 13	< 13	< 25	0.00055	0.00021	< 0.01	0.000090 J	0.00081 J	0.00013 J	0.00012 J	0.000062 J	0.00081 J	< 0.00020	0.15 J	< 0.035	< 0.01	< 0.01	0.00063 J	< 0.01
P-59	P59-ROX-012425	1/24/2025	0.043	0.19	0.011	0.2	0.00064 J	< 0.01	< 0.01	0.000086 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P59-ROX-012425-DUP	1/24/2025	0.05	0.29	0.014	0.31	0.00057 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P59-ROX-041625	4/16/2025	0.067	0.34	0.023 J	0.36	0.00051	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
	P59-ROX-071125	7/11/2025	0.018	0.23	< 0.05	0.24	0.00047	< 0.00020	< 0.0099	< 0.00020	0.00087 J	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P59-ROX-101725	10/17/2025	0.038	0.35	< 0.05	0.35	0.00025	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	0.0057 J	< 0.01	< 0.01	< 0.01
P-74	P74-ROX-012425	1/24/2025	0.0083 J	0.094	< 0.05	0.099 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P74-ROX-041825	4/18/2025	< 0.01	0.042 J	< 0.05	< 0.1	0.00012 J	0.000095 J	0.0059 J	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.049 J	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	P74-ROX-041825-DUP	4/18/2025	< 0.01	0.035 J	< 0.05	< 0.1	< 0.00020	< 0.00020	0.0059 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.04 J	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P74-ROX-071125	7/11/2025	0.0074 J	0.12	< 0.05	0.13	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.00075 J	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P74-ROX-101625	10/16/2025	< 0.02	< 0.1	< 0.1	< 0.2	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
P-93A	P93A-ROX-012725	1/27/2025	< 0.2	< 1	< 1	< 2	0.00024 J	< 0.01	< 0.0097	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.0097	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	P93A-ROX-012725-DUP	1/27/2025	< 0.2	< 1	< 1	< 2	0.00012 J	0.000055 J	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095
	P93A-ROX-041725	4/17/2025	< 0.5	< 2.5	< 2.5	< 5	0.000088 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	P93A-ROX-071125	7/11/2025	< 0.2	< 1	< 1	< 2	0.00012 J	< 0.00020	< 0.01	< 0.00020	0.00085 J	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	P93A-ROX-102025	10/20/2025	< 0.2	< 1	< 1	< 2	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-93B	P93B-ROX-012725	1/27/2025	< 2	< 10	< 10	< 20	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	P93B-ROX-041825	4/18/2025	< 5	< 25	< 25	< 50	< 0.00020	< 0.00020	0.0019 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.052 J	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	P93B-ROX-071425	7/14/2025	< 5 UJ	< 25 UJ	< 25 UJ	< 50 UJ	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	P93B-ROX-102025	10/20/2025	< 5	< 25	< 25	< 50	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-93C	P93C-ROX-012725	1/27/2025	< 0.1	< 0.5	< 0.5	< 1	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.03	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P93C-ROX-041725	4/17/2025	< 0.0020	< 0.01	< 0.01	< 0.02	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01 UJ
	P93C-ROX-071025	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P93C-ROX-071025-DUP	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	P93C-ROX-102025	10/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
P-93D	P93D-ROX-012325	1/23/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P93D-ROX-041625	4/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ
	P93D-ROX-071025	7/10/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020 UJ	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
	P93D-ROX-102025	10/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.036	< 0.01	< 0.01	< 0.01	< 0.01
ROST-3-MW[GMZ]	ROST3MW-ROX-012025	1/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00016 J	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	ROST3MW-ROX-041525	4/15/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01	< 0.01	< 0.01	< 0.01
	ROST3MW-ROX-070825	7/8/2025	< 0.0010	0.0035 J	< 0.0050	< 0.01	0.00011 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	ROST3MW-ROX-101425	10/14/2025	< 0.0010	0.0058	0.00054	0.0063	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs				SVOCs															
			1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b)pyridine (Quinoline)	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]		0.21 [3]	15 [1]	0.7 [3]	0.006 [1]	1.4 [2]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																			
ROST-4-PZ(C)	ROST4PZ(C)-ROX-012225	1/22/2025	0.0025	0.036	< 0.0050	0.038	0.0014 J	0.00017 J	< 0.01	0.00037 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	ROST4PZC-ROX-041625	4/16/2025	0.0056	0.059	< 0.0050	0.062	0.00085	0.000090 J	< 0.0099 UJ	0.00018 J	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	ROST4PZC-ROX-041625-DUP	4/16/2025	0.0059	0.06	0.0030 J	0.063	0.00090	0.000098 J	< 0.0097 UJ	0.00017 J	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.0097	< 0.0097 UJ
	ROST4PZC-ROX-070925	7/9/2025	0.0022	0.028	< 0.0050	0.03	0.00096	0.000095 J	< 0.01	0.00021 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
	ROST4PZC-ROX-070925-DUP	7/9/2025	0.0027	0.029	< 0.0050	0.031	0.0010	0.000095 J	< 0.0096	0.00020 J	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	ROST4PZC-ROX-101525	10/15/2025	0.0031 J	0.028	< 0.025	0.03 J	0.00094 J	0.000089 J J	< 0.0097 UJ	0.00019 J	< 0.0097 UJ	< 0.00019 UJ	< 0.00019 UJ	< 0.00019 UJ	< 0.0097 UJ	< 0.00019 UJ	< 0.097 UJ	< 0.034 UJ	< 0.0097 UJ	0.0059 J J	< 0.0097 UJ	< 0.0097 UJ
ROST-4-PZ(E)	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
	ROST4PZE-ROX-041625	4/16/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099 UJ
	ROST4PZE-ROX-070925	7/9/2025	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	ROST4PZE-ROX-101425	10/14/2025	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01	< 0.01	< 0.01
ROST-4-PZ(G)	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.0010	0.0070	< 0.0050	0.0085 J	0.00011 J	< 0.01	< 0.0097	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.0097	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.0010	0.0063	< 0.0050	0.0077 J	0.000086 J	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
	ROST4PZG-ROX-041625	4/16/2025	0.00063 J	0.0064	< 0.0050	0.0084 J	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.029	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098 UJ
	ROST4PZG-ROX-070925	7/9/2025	< 0.0010	0.0044 J	< 0.0050	< 0.01	0.000086 J	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096	< 0.0096	< 0.0096
	ROST4PZG-ROX-101525	10/15/2025	< 0.0010	0.0048 J	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098	< 0.0098	< 0.0098
T-12	T12-ROX-012425	1/24/2025	0.039	0.71	0.1	0.82	0.00036 J	< 0.0099	< 0.01	0.000076 J	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.01	< 0.0099	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	T12-ROX-0414625	4/16/2025	0.042	0.63	0.086	0.72	0.00031 J	< 0.00040	< 0.02 UJ	< 0.00040	< 0.02	< 0.00040	< 0.00040	< 0.00040	< 0.02 UJ	< 0.00040	< 0.06	< 0.02 UJ	< 0.02	< 0.02	< 0.02	< 0.02 UJ
	T12-ROX-071125	7/11/2025	0.022	0.34	0.031 J	0.37	0.00045	< 0.00020	< 0.0099	0.000079 J	0.00066 J	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099
	T12-ROX-101725	10/17/2025	0.014	0.16	< 0.05	0.17	0.00041	0.000050 J	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.099	< 0.035	0.0052 J	< 0.0099	< 0.0099	< 0.0099

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	0.21 [3]	0.1 [1]	0.12 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-01[GMZ]	MW1-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.0096
	MW1-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW1-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	0.00019 J	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099
	MW1-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW1-ROX-101425	10/14/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-02	MW2-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.01	< 0.01	< 0.0094	< 0.01	0.0085 J	0.014	< 0.0094	< 0.019	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.0094
	MW2-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	0.00011 J	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	0.0042	0.0066	< 0.0099 UJ	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
	MW2-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.0048	0.0039	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW2-ROX-101425	10/14/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	0.00063 J	< 0.00020	0.0072	0.013	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW2-ROX-101425-DUP	10/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.00055 J	< 0.00020	0.0069	0.013	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
MW-03[GMZ]	MW3-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.0097
	MW3-ROX-040925	4/9/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	0.00017 J	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW3-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.0097 UJ
	MW3-ROX-101025	10/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	0.0048 J
MW-04	MW4-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.0095
	MW4-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00011 JB U	0.00011 JB U	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW4-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	0.11	< 0.00020	< 0.0099 UJ
	MW4-ROX-100925	10/9/2025	< 0.00020	< 0.00020	< 0.01	0.0082 J	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	0.0037 J	0.027	< 0.01	< 0.00020	0.33	< 0.00020	< 0.01
	MW4-ROX-100925-DUP	10/9/2025	< 0.00020	< 0.00020	< 0.01	0.0082 J	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	0.0036 J	0.027	< 0.01	< 0.00020	0.27	< 0.00020	< 0.01
	MW4-ROX-121025	12/10/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05[GMZ]	MW5-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.0096
	MW5-ROX-040925	4/9/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.02	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ
	MW5-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW5-ROX-101025	10/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-06A[GMZ]	MW6A-ROX-012225	1/22/2025	< 0.00020	< 0.00020	< 0.011	< 0.011	< 0.011	< 0.011	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.00020	< 0.00020	< 0.011	< 0.021	< 0.011	< 0.00020	< 0.011	< 0.00020	< 0.011
	MW6A-ROX-041025	4/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	0.00011 J	< 0.01
	MW6A-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW6A-ROX-100825	10/8/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.0098
MW-06B[GMZ]	MW6B-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.011	< 0.021	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011
	MW6B-ROX-041025	4/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW6B-ROX-041025-DUP	4/10/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
	MW6B-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.0097 UJ
	MW6B-ROX-100825	10/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-06C[GMZ]	MW6C-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	0.000050 J	< 0.0096	< 0.00020	< 0.0096
	MW6C-ROX-041025	4/10/2025	0.00019 J	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	0.000038 J	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	0.00020	< 0.01	0.00024	< 0.01
	MW6C-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00019	< 0.00019	< 0.0093	< 0.00019	< 0.00019	< 0.00019	< 0.0093	< 0.019	< 0.0093	< 0.00019	< 0.0093	< 0.00019	< 0.0093 UJ
	MW6C-ROX-100825	10/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
MW-06D[GMZ]	MW6D-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.0095
	MW6D-ROX-040925	4/9/2025	0.00022	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	0.00017 J	0.00018 J	< 0.00020	< 0.01	0.000081 J	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	0.00020	< 0.01	0.00024	< 0.01 UJ
	MW6D-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.0097 UJ
	MW6D-ROX-100825	10/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	0.21 [3]	0.1 [1]	0.12 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-07	MW7-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	0.00039 J	< 0.0097	< 0.01	0.0059 J	0.0076 J	< 0.0097	< 0.019	< 0.0097	0.0014 J	0.032	0.00017 J	< 0.0097
	MW7-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	0.00032	< 0.0098	< 0.00020	0.0041 B	0.0041 B	< 0.0098	0.014 JI	0.0010 J	0.00086	0.18	< 0.00020	< 0.0098
MW-09	MW9-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW9-ROX-040425	4/4/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW9-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW9-ROX-100625	10/6/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01 UJ	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
MW-10[GMZ]	MW10-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.0097
	MW10-ROX-040725	4/7/2025	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.01	< 0.02 UJ	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW10-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW10-ROX-100625	10/6/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01 UJ	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
MW-11[GMZ]	MW11-ROX-012225	1/22/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW11-ROX-040725	4/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
	MW11-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW11-ROX-100625	10/6/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
MW-12	MW12-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.0095
	MW12-ROX-021325	2/13/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW12-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01 UJ
	MW12-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW12-ROX-100725	10/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01
MW-13	MW13-ROX-012325	1/23/2025	< 0.0099	< 0.0099	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.0099	< 0.0099	< 0.0096	< 0.019	< 0.0096	< 0.0099	< 0.0096	< 0.0099	< 0.0096
	MW13-ROX-012325-DUP	1/23/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.019	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.0096
	MW13-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	0.000098 J	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01
	MW13-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.0096 UJ
	MW13-ROX-100925	10/9/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-14[GMZ]	MW14-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	0.000070 J	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.0095
	MW14-ROX-041525	4/15/2025	< 0.00019	< 0.00019	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096 UJ	< 0.019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.0096 UJ
	MW14-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW14-ROX-071025-DUP	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW14-ROX-101325	10/13/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00013 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW14-ROX-101325-DUP	10/13/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-16[GMZ]	MW16-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.0096
	MW16-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW16-ROX-040825	4/8/2025	< 0.00019	< 0.00019	< 0.0093	< 0.0093 UJ	< 0.0093	< 0.0093	< 0.00019	< 0.00019	< 0.0093 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.0093	< 0.019	< 0.0093	< 0.00019	< 0.0093	< 0.00019	< 0.0093 UJ
	MW16-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ
	MW16-ROX-100725	10/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-22[GMZ]	MW22-ROX-012425	1/24/2025	< 0.0099	< 0.0099	< 0.0093	0.0059 J	< 0.0093	< 0.0093	< 0.0099	< 0.0099	< 0.0093	< 0.0099	0.023	0.038	< 0.0093	< 0.019	< 0.0093	0.000048 J	< 0.0093	< 0.0099	< 0.0093
	MW22-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.0050 J	< 0.00020	0.019	0.034	< 0.0098 UJ	< 0.02	0.0048 J	0.000048 J	< 0.0098 UJ	< 0.00020	< 0.0098 UJ
	MW22-ROX-041725-DUP	4/17/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.0046 J	< 0.00020	0.015	0.027	< 0.0099 UJ	< 0.02	0.0042 J	0.000044 J	< 0.0099 UJ	< 0.00020	< 0.0099 UJ
	MW22-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0035 J	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.0036 J	< 0.00020	0.018	0.026	0.00080 J*+ J	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW22-ROX-101525	10/15/2025	< 0.00020	< 0.00020	< 0.01	0.0020 J	< 0.01	< 0.01	< 0.00020	< 0.00020	0.0013 J	< 0.00020	0.01	0.015	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	0.21 [3]	0.1 [1]	0.12 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-23	MW23-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.0095
	MW23-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW23-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	MW23-ROX-100925	10/9/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099
MW-24	MW24-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.0097
	MW24-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW24-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02 UJ	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099
	MW24-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.000074 J	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW24-ROX-102025	10/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01 U	< 0.00020	< 0.01
	MW24-ROX-121025	12/10/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25	MW25-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0095	0.011	< 0.0095	< 0.0095	0.00027 J	0.00017 J	< 0.0095	< 0.01	0.0075 J	0.0079 J	< 0.0095	0.041	< 0.0095	0.00047 J	0.31	0.00016 J	< 0.0095
	MW25-ROX-012725-DUP	1/27/2025	< 0.01	< 0.01	< 0.0093	0.0097	< 0.0093	< 0.0093	< 0.01	0.00011 J	< 0.0093	< 0.01	0.0086 J	0.0092 J	< 0.0093	0.042	< 0.0093	< 0.01	0.34	< 0.01	< 0.0093
	MW25-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.00092 J	< 0.00020	0.0013 B	0.0014 B	< 0.0098	0.0085 JI	< 0.0098	< 0.00020	0.73	< 0.00020	< 0.0098
	MW25-ROX-041825-DUP	4/18/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	0.000090 J	< 0.0097	< 0.00019	0.0013 B	0.0014 B	< 0.0097	0.0095 JI	0.00081 J	< 0.00019	0.67	< 0.00019	< 0.0097
	MW25-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0089 J	< 0.0099	< 0.0099	< 0.00020	0.00019 J	0.0016 J	< 0.00020	0.0087	0.0081	0.0037 J*+ J	0.12	< 0.0099	< 0.00020	0.25	< 0.00020	< 0.0099 UJ
	MW25-ROX-071525-DUP	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0092 J	< 0.0099	< 0.0099	< 0.00020	0.00016 J	0.0015 J	< 0.00020	0.0078	0.0072	0.0038 J*+ J	0.12	< 0.0099	< 0.00020	0.26	< 0.00020	< 0.0099 UJ
MW-26[GMZ]	MW26-ROX-012825	1/28/2025	< 0.01	< 0.01	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.019	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.0094
	MW26-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01 UJ
	MW26-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW26-ROX-100725	10/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01
MW-27	MW27-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.021	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW27-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.05	< 0.05	< 0.05	< 0.05	< 0.0010	< 0.0010	< 0.05	0.00016 J	< 0.0010	< 0.0010	< 0.05 UJ	< 0.1	< 0.05	< 0.0010	< 0.05	< 0.0010	< 0.05 UJ
	MW27-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	MW27-ROX-101325	10/13/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
MW-28[GMZ]	MW28-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	MW28-ROX-041525	4/15/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.0097 UJ
	MW28-ROX-070725	7/7/2025	< 0.00019	< 0.00019	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.0096	< 0.019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.0096 UJ
	MW28-ROX-101325	10/13/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
P-114R	P114R-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	0.00011 J	< 0.01	< 0.0096	< 0.019	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.0096
	P114R-ROX-041425	4/14/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097 UJ	< 0.0097	0.00021 J	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.019	< 0.0097	< 0.00019	< 0.0097 UJ	< 0.00019	< 0.0097
	P114R-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	P114R-ROX-102125	10/21/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01 U	< 0.00020	< 0.01
P-54	P54-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.0095
	P54-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	P54-ROX-041125	4/11/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	0.000040 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	P54-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.0095	< 0.019	< 0.0095	< 0.00019	< 0.0095	< 0.00019	< 0.0095 UJ
	P54-ROX-101025	10/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
P-56	P56-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	0.00071 J	< 0.0099	< 0.01	0.023	0.028	< 0.0099	< 0.02	< 0.0099	0.0014 J	< 0.0099	< 0.01	< 0.0099
	P56-ROX-041625	4/16/2025	< 0.00020 UJ	< 0.00020 UJ	0.00068 J J	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.00020 UJ	0.00061 J	< 0.0099 UJ	< 0.00020 UJ	0.01 J	0.011 J	< 0.0099 UJ	< 0.02 UJ	< 0.0099 UJ	0.00062 J	< 0.0099 UJ	< 0.00020 UJ	< 0.0099 UJ
	P56-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	0.00075 J	0.00024 J	< 0.0099	< 0.0099	< 0.00020	0.00060	< 0.0099	< 0.00020 UJ	0.016	0.016	< 0.0099	< 0.02	< 0.0099	0.0011	< 0.0099	< 0.00020	< 0.0099 UJ
	P56-ROX-101725	10/17/2025	< 0.00020	< 0.00020	0.00090 J	0.00040 J	< 0.01	< 0.01	< 0.00020	0.00072	< 0.01	< 0.00020	0.022	0.013	< 0.01	< 0.02	< 0.01	0.0014	< 0.01	< 0.00020	< 0.01

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TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values* (mg/L)			**0.025** [1]	**0.0001** [1]	**0.007** [3]	**0.14** [2]	**0.001** [1]	**0.00078** [1]	**0.15** [1]	**0.15** [1]		**0.00025** [1]	**0.27** [1]	**0.015** [1]	**0.19** [1]	**0.14** [3]	**0.0077** [1]	**0.21** [3]	**0.1** [1]	**0.12** [1]	**0.007** [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-57	P57-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	0.00082 J	< 0.0095	< 0.01	0.028	0.03	< 0.0095	< 0.019	< 0.0095	0.00049 J	< 0.0095	< 0.01	< 0.0095
	P57-ROX-041725	4/17/2025	< 0.00020	< 0.00020	0.00057 J	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	0.00055	0.00073 J	< 0.00020	0.017	0.017	< 0.0098 UJ	< 0.02	0.0032 J	0.00033	< 0.0098 UJ	< 0.00020	< 0.0098 UJ
	P57-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	0.00065 J	< 0.0098	< 0.0098	< 0.0098	< 0.00020	0.00067	< 0.0098	< 0.00020 UJ	0.013	0.014	< 0.0098	< 0.02	< 0.0098	0.00034	0.00078 J*+ J	< 0.00020	< 0.0098 UJ
	P57-ROX-101625	10/16/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00061	0.00079 J	< 0.00020	0.024	0.033	< 0.01	< 0.02	< 0.01	0.00032	0.0013 J	< 0.00020	< 0.01
P-58	P58-ROX-012725	1/27/2025	0.00039 J	0.000059 J	< 0.01	0.016	< 0.01	< 0.01	0.00011 J	0.0025 J	< 0.01	0.000039 J	0.09	0.056	< 0.01	0.029	< 0.01	0.0016 J	0.21	0.00050 J	< 0.01
	P58-ROX-041825	4/18/2025	0.000086 J	< 0.00020	0.0015 J	< 0.0099	0.00094 J	< 0.0099	0.000049 J	0.0012	< 0.0099	< 0.00020	0.039 B	0.034 B	< 0.0099	0.039	0.0057 J	0.00063	0.44	0.00014 J	< 0.0099
	P58-ROX-071425	7/14/2025	0.00010 J	< 0.00020	0.0020 J	0.0056 J	< 0.01	< 0.01	< 0.00020	0.0015	0.0012 J	< 0.00020	0.054	0.05	0.0013 J*+ J	0.11	0.0024 J	0.00085	0.49	0.00012 J	< 0.01 UJ
	P58-ROX-071425-DUP	7/14/2025	0.000094 J	< 0.00020	0.0020 J	0.0053 J	< 0.01	< 0.01	< 0.00020	0.0014	0.0013 J	< 0.00020	0.055	0.05	0.0011 J*+ J	0.13	0.0024 J	0.00080	0.50	0.000099 J	< 0.01 UJ
	P58-ROX-101625	10/16/2025	0.00024	< 0.00020	0.0018 J	0.0092 J	< 0.01	< 0.01	0.000073 J	0.0016	0.0020 J	< 0.00020	0.044	0.045	< 0.01	2.1	< 0.01	0.0010	0.42	0.00030	< 0.01
P-59	P59-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000086 J	0.00030 J	< 0.01	< 0.01	0.018	0.025	< 0.01	< 0.021	< 0.01	0.00055 J	0.0050 J	0.00020 J	< 0.01
	P59-ROX-012425-DUP	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000071 J	0.00026 J	< 0.01	< 0.01	0.017	0.025	< 0.01	< 0.021	< 0.01	0.00050 J	0.0043 J	0.00015 J	< 0.01
	P59-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	0.00014 J	< 0.00020	0.00027	0.0010 J*- J	< 0.00020	0.013	0.0082	< 0.01 UJ	< 0.02	< 0.01	0.00013 J	0.0031 J	< 0.00020	< 0.01 UJ
	P59-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0037 J	< 0.0099	< 0.0099	< 0.00020	0.00024	0.0013 J	< 0.00020	0.016	0.025	0.0020 J*+ J	< 0.02	< 0.0099	0.00025	0.01 *+ J	< 0.00020	< 0.0099
	P59-ROX-101725	10/17/2025	0.000085 J	< 0.00020	< 0.01	0.0018 J	< 0.01	< 0.01	0.000088 J	0.00017 J	0.00081 J	< 0.00020	0.0084	0.014	< 0.01	0.017 J	< 0.01	0.00025	0.0060 JB	0.00022	< 0.01
P-74	P74-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.00066 J	0.00061 J	< 0.01	< 0.02	< 0.01	< 0.01	0.055	< 0.01	< 0.01
	P74-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00070 B	0.00059 B U	0.0015 J	< 0.02	< 0.01	< 0.00020	0.69	< 0.00020	< 0.01
	P74-ROX-041825-DUP	4/18/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.00057 B U	0.00043 B U	0.0015 J	< 0.02	< 0.0099	< 0.00020	0.64	< 0.00020	< 0.0099
	P74-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0084 J	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.00080 J	< 0.00020	0.0016	0.0020	< 0.0099	< 0.02	< 0.0099	< 0.00020	0.07 J*+ J	< 0.00020	< 0.0099
	P74-ROX-101625	10/16/2025	< 0.00020	< 0.00020	< 0.0099	0.00063 J	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.0010	0.0012	< 0.0099	< 0.02	< 0.0099	< 0.00020	0.045	< 0.00020	< 0.0099
P-93A	P93A-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	0.00017 J	< 0.0097	< 0.01	0.0056 J	0.00053 J	< 0.0097	< 0.019	< 0.0097	0.000049 J	0.20	< 0.01	< 0.0097
	P93A-ROX-012725-DUP	1/27/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	0.00018 J	< 0.0095	< 0.01	0.0065 J	0.00064 J	< 0.0095	< 0.019	< 0.0095	0.000062 J	0.19	< 0.01	< 0.0095
	P93A-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	0.00011 J	< 0.0099	< 0.00020	0.0037	0.00036	< 0.0099 UJ	< 0.02	< 0.0099	0.000049 J	0.037	< 0.00020	< 0.0099 UJ
	P93A-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00015 J	< 0.01	< 0.00020	0.0036	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	0.32 *+ J	< 0.00020	< 0.01
	P93A-ROX-102025	10/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.0021	0.00018 J	< 0.01	< 0.02	< 0.01	< 0.00020	0.24 B	< 0.00020	< 0.01
P-93B	P93B-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	0.00021 J	0.00016 J	< 0.0096	< 0.019	< 0.0096	< 0.01	0.12	< 0.01	< 0.0096
	P93B-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.00022 B U	0.00019 JB U	< 0.0098	< 0.02	0.00081 J	< 0.00020	0.25	< 0.00020	< 0.0098
	P93B-ROX-071425	7/14/2025	< 0.00020	< 0.00020	< 0.0098	0.0032 J	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.00060 J	< 0.00020	0.00030	0.00019 J	< 0.0098	< 0.02	< 0.0098	< 0.00020	0.26	< 0.00020	< 0.0098 UJ
	P93B-ROX-102025	10/20/2025	< 0.00020	< 0.00020	< 0.01	0.0015 J	< 0.01	< 0.01	< 0.00020	< 0.00020	0.00076 J	< 0.00020	0.00016 J	0.00012 J	< 0.01	< 0.02	< 0.01	< 0.00020	0.18 B	< 0.00020	< 0.01
P-93C	P93C-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.0099	< 0.02	< 0.0099	< 0.01	0.027	< 0.01	< 0.0099
	P93C-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01 UJ
	P93C-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	0.029 *+ J	< 0.00020	< 0.0099 UJ
	P93C-ROX-071025-DUP	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	0.0012 J*+ J	< 0.02	< 0.0099	< 0.00020	0.031 *+ J	< 0.00020	< 0.0099 UJ
	P93C-ROX-102025	10/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01 U	< 0.00020	< 0.01
P-93D	P93D-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P93D-ROX-041625	4/16/2025	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	0.00023 J J	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ
	P93D-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ
	P93D-ROX-102025	10/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
ROST-3-MW[GMZ]	ROST3MW-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00016 J	< 0.01	< 0.00020	0.000078 J	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
	ROST3MW-ROX-041525	4/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00019 J	0.00016 J	< 0.01 UJ	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ
	ROST3MW-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	0.000099 J	< 0.0099	< 0.00020	0.0013	0.00045	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	ROST3MW-ROX-101425	10/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	0.00011 J	< 0.0099	< 0.00020	0.0017	0.00066	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3b
ROXANA INTERIM MONITORING PROGRAM
SUMMARY OF QUARTERLY GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values* (mg/L)			**0.025** [1]	**0.0001** [1]	**0.007** [3]	**0.14** [2]	**0.001** [1]	**0.00078** [1]	**0.15** [1]	**0.15** [1]		**0.00025** [1]	**0.27** [1]	**0.015** [1]	**0.19** [1]	**0.14** [3]	**0.0077** [1]	**0.21** [3]	**0.1** [1]	**0.12** [1]	**0.007** [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
ROST-4-PZ(C)	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000033 J	0.0012 J	< 0.01	< 0.01	0.032	0.0076 J	< 0.01	< 0.021	< 0.01	0.0010 J	< 0.01	0.000069 J	< 0.01
	ROST4PZC-ROX-041625	4/16/2025	< 0.00020	< 0.00020	0.00058 J	< 0.0099	< 0.0099	< 0.0099	< 0.00020	0.00067	< 0.0099 UJ	< 0.00020	0.021	0.0086	< 0.0099 UJ	< 0.02	< 0.0099	0.00079	< 0.0099	< 0.00020	< 0.0099
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.00019	< 0.00019	0.00061 J	< 0.0097	< 0.0097	< 0.0097	< 0.00019	0.00076	< 0.0097 UJ	< 0.00019	0.022	0.0085	< 0.0097 UJ	< 0.019	< 0.0097	0.00081	< 0.0097	< 0.00019	< 0.0097
	ROST4PZC-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00061	< 0.01	< 0.00020	0.024	0.011	< 0.01	< 0.02	< 0.01	0.00086	< 0.01	< 0.00020	< 0.01 UJ
	ROST4PZC-ROX-070925-DUP	7/9/2025	< 0.00019	< 0.00019	0.00064 J*+ J	< 0.0096	< 0.0096	< 0.0096	< 0.00019	0.00062	< 0.0096	< 0.00019	0.026	0.013	< 0.0096	< 0.019	< 0.0096	0.00090	< 0.0096	< 0.00019	< 0.0096 UJ
	ROST4PZC-ROX-101525	10/15/2025	< 0.00019 UJ	< 0.00019 UJ	< 0.0097 UJ	< 0.0097 UJ	< 0.0097 UJ	< 0.0097 UJ	< 0.00019 UJ	0.00060 J	< 0.0097 UJ	< 0.00019 UJ	0.023 J	0.011 J	< 0.0097 UJ	< 0.019 UJ	< 0.0097 UJ	0.00070 J	< 0.0097 UJ	< 0.00019 UJ	< 0.0097 UJ
ROST-4-PZ(E)	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.000032 J	< 0.00020	< 0.0094	< 0.00020	0.000080 J	0.000093 J	< 0.0094	< 0.019	< 0.0094	0.000099 J	< 0.0094	0.000094 J	< 0.0094
	ROST4PZE-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	0.000064 J	< 0.0099	< 0.00020	< 0.0099
	ROST4PZE-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ
	ROST4PZE-ROX-101425	10/14/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.01
ROST-4-PZ(G)	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	< 0.01	< 0.0097	< 0.01	0.0027 J	0.0010 J	< 0.0097	< 0.019	< 0.0097	0.000066 J	< 0.0097	< 0.01	< 0.0097
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	0.0023	0.00082 *1	< 0.0097	< 0.019	< 0.0097	0.000063 J	< 0.0097	< 0.00020	< 0.0097
	ROST4PZG-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	0.0016	0.00040	< 0.0098 UJ	< 0.02	< 0.0098	0.000054 J	0.00030 J	< 0.00020	< 0.0098
	ROST4PZG-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	0.0037	0.0013	< 0.0096	0.01 J	< 0.0096	< 0.00019	0.00091 J	< 0.00019	< 0.0096
	ROST4PZG-ROX-101525	10/15/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.0033	0.00097	< 0.0098	< 0.02	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.0098
T-12	T12-ROX-012425	1/24/2025	< 0.0099	< 0.0099	< 0.01	0.0062 J	< 0.01	< 0.01	< 0.0099	0.00029 J	< 0.01	< 0.0099	0.023	0.039	< 0.01	< 0.02	< 0.01	0.00057 J	0.025	< 0.0099	< 0.01
	T12-ROX-0414625	4/16/2025	< 0.00040	< 0.00040	< 0.02	0.011 J*1*-	< 0.02	< 0.02	< 0.00040	0.00025 J	0.0011 J*- J	< 0.00040	0.015	0.024	< 0.02 UJ	< 0.04	< 0.02	0.00040	0.08	< 0.00040	< 0.02 UJ
	T12-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0048 J	< 0.0099	< 0.0099	< 0.00020	0.00032	0.0010 J	< 0.00020	0.025	0.041	0.0027 J*+ J	< 0.02	< 0.0099	0.00057	0.044 *+ J	< 0.00020	< 0.0099
	T12-ROX-101725	10/17/2025	< 0.00020	< 0.00020	< 0.0099	0.0011 J J	< 0.0099	< 0.0099	< 0.00020	0.00024	< 0.0099	< 0.00020	0.019	0.032	< 0.0099	< 0.02	< 0.0099	0.00052	0.034 B J	< 0.00020	< 0.0099

NOTES:

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

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

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

GMZ Denotes Village of Roxana Interim Groundwater Monitoring Program well locations included in WRR RCRA Part B Permit as GMZ boundary wells.

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

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

Well MW-7 was not sampled during the 4Q2024 or 3Q2025 quarterly sampling events due to operation of the FPWY SEE System. MW-25 was not sampled in 4Q2025 due to elevated groundwater temperatures.

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

	Indicates a historical exceedance of screening criteria.
	Indicates a current exceedance of screening criteria.
--	Empty shaded cell without a value indicates previous quarter analyte result was rejected or the analyte was not analyzed.
--	Empty cell without a value indicates current quarter analyte result was rejected or the analyte was not analyzed.

LABORATORY QUALIFIERS

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

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

H = Analyzed or extracted out of holding time criteria.

I = Value is estimated maximum possible concentration.

F1 = Indicates MS/MSD is outside acceptance limit.

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

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

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

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

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 4a
WRR MONITORING PROGRAM
SIMILAR-ACTING NON-CARCINOGENIC MIXTURE CALCULATIONS

Circulatory System

Mixture = 2 or more of the folowing analytes:

	Benzene [1]	Styrene [1]	Trichloroethene [1]	Fluoranthene [1]	Fluorene [1]	Antimony [1]	Zinc [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.005	0.1	0.005	0.15	0.15	0.006	1.2	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Decreased Body Weight

Mixture = 2 or more of the folowing analytes:

	Naphthalene [1]	1,1,1-Trichloroethane [1]	Xylenes (total) [1]	Diethyl phthalate [1]	2-Methylphenol (o-Cresol) [1]	Phenol [1]	Nickel [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.077	0.2	10	3.1	0.19	0.1	0.077	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L							Result
MW-22[GMZ]	MW22-ROX-101525	10/15/2025	0.056		0.15					0.74
ROST-3-MW[GMZ]	ROST3MW-ROX-101425	10/14/2025	0.0029		0.0063					0.04
P-56	P56-WRR-101725	10/17/2025	0.015		0.19					0.21
P-59	P59-WRR-101725	10/17/2025	0.036		0.35			0.006		0.56
P-60	P60-WRR-101025	10/10/2025	0.0056		0.14			0.0084		0.17
	P60-WRR-101025-DUP	10/10/2025	0.0058		0.18			0.006		0.15
T-12	T12-WRR-101725	10/17/2025			0.17			0.034		0.36

Developmental

Mixture = 2 or more of the folowing analytes:

	2-Butanone [1]	Carbon disulfide [1]	Benzo(a)pyrene [1]	Diethyl phthalate [1]	Hazard Index (HI) *
Acceptable Level (AL)	2.3	0.38	0.0002	3.1	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Gastrointestinal

Mixture = 2 or more of the folowing analytes:

	Methyl tert-Butyl Ether (MTBE) [1]	Beryllium [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.038	0.004	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Kidney

Mixture = 2 or more of the folowing analytes:

	1,1-Dichloroethane [1]	1,2-Dichloroethane [1]	Toluene [1]	1,4-Dioxane [1]	Fluoranthene [1]	Pyrene [1]	Barium [1]	Cadmium [1]	Mercury [1]	Vanadium [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.77	0.005	1	0.00078	0.15	0.12	2	0.005	0.002	0.00027	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Liver

Mixture = 2 or more of the folowing analytes:

	Chlorobenzene [1]	Chloroform [1]	Ethylbenzene [1]	Ethylene dibromide (1,2-Dibromoethane) [1]	Methyl tert-Butyl Ether (MTBE) [1]	Styrene [1]	Acenaphthene [1]	1,4-Dioxane [1]	Fluoranthene [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.1	0.07	0.7	0.00005	0.038	0.1	0.23	0.00078	0.15	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L								Result
MW-22[GMZ]	MW22-ROX-101525	10/15/2025			0.046				0.000085		0.07

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 4a
WRR MONITORING PROGRAM
SIMILAR-ACTING NON-CARCINOGENIC MIXTURE CALCULATIONS

Lungs

Mixture = 2 or more of the folowing analytes:

			1-Methylnaphthalene [1]	2-Methylnaphthalene [1]	Hazard Index (HI) *
		Acceptable Level (AL)	0.27	0.015	1
Location	**Sample ID**	**Sample Date**	**Analytical Result ([A], [B], [I]) mg/L**		**Result**
MW-22[GMZ]	MW22-ROX-101525	10/15/2025	0.01	0.015	1.04
ROST-3-MW[GMZ]	ROST3MW-ROX-101425	10/14/2025	0.0017	0.00066	0.05

Mortality

Mixture = 2 or more of the folowing analytes:

			Xylenes (total) [1]	Di-n-butyl phthalate [1]	Hazard Index (HI) *
		Acceptable Level (AL)	10	0.38	1
Location	**Sample ID**	**Sample Date**	**Analytical Result ([A], [B], [I]) mg/L**		**Result**
No mixtures in 2H25					

Reproductive System

Mixture = 2 or more of the folowing analytes:

			Carbon disulfide [1]	1,2-Dibromo-3-Chloropropane (dibromochloropropane) [1]	Ethylene dibromide (1,2-Dibromoethane) [1]	Cyanide [1]	Hazard Index (HI) *
		Acceptable Level (AL)	0.38	0.0002	0.00005	0.2	1
Location	**Sample ID**	**Sample Date**	**Analytical Result ([A], [B], [I]) mg/L**				**Result**
No mixtures in 2H25							

Skin

Mixture = 2 or more of the folowing analytes:

			Arsenic [1]	Silver [1]	Hazard Index (HI) *
		Acceptable Level (AL)	0.01	0.058	1
Location	**Sample ID**	**Sample Date**	**Analytical Result ([A], [B], [I]) mg/L**		**Result**
No mixtures in 2H25					

Whole Body

Mixture = 2 or more of the folowing analytes:

			1,2-Dichlorobenzene [1]	Anthracene [1]	Fluoranthene [1]	Antimony [1]	Selenium [1]	Hazard Index (HI) *
		Acceptable Level (AL)	0.6	1.2	0.15	0.006	0.02	1
Location	**Sample ID**	**Sample Date**	**Analytical Result ([A], [B], [I]) mg/L**					**Result**
No mixtures in 2H25								

NOTES:

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

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

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

[GMZ] Denotes Village of Roxana Interim Groundwater Monitoring Program well locations included in WRR RCRA Part B Permit as GMZ boundary wells.

* In addition to meeting the individual substance objectives (screening values), a Hazard Index (HI) must be less than or equal to 1 for a mixture of similar-acting substances, where the HI is calculated by: HI = [A]/ALA + [B]/ALB +. . . [I]/ALI

Indicates a current exceedance of screening criteria.

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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 4b
WRR MONITORING PROGRAM
SIMILAR-ACTING CARCINOGENIC MIXTURE CALCULATIONS

Circulatory System

Mixture = 2 or more of the folowing analytes:

	Benzene [1]	1,2-Dichloroethane [1]	Ethylene dibromide (1,2-Dibromoethane) [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.005	0.005	0.00005	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Gastrointestinal

Mixture = 2 or more of the folowing analytes:

	Ethylene dibromide (1,2-Dibromoethane) [1]	Benzo(a)anthracene [1]	Benzo(b)fluoranthene [1]	Benzo(k)fluoranthene [1]	Benzo(a)pyrene [1]	Chrysene [1] (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.00005	0.00025	0.00025	0.0025	0.0002	0.025	0.0001	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Kidney

Mixture = 2 or more of the folowing analytes:

	Chloroform [1]	1,2-Dibromo-3-Chloropropane (dibromochloropropane) [1]	Ethylbenzene [1]	Trichloroethene [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.07	0.0002	0.7	0.005	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

Liver

Mixture = 2 or more of the folowing analytes:

	Trichloroethene [1]	1,4-Dioxane [1]	Hazard Index (HI) *
Acceptable Level (AL)	0.005	0.00078	1

Location	Sample ID	Sample Date	Analytical Result ([A], [B], [I]) mg/L	Result
No mixtures in 2H25				

NOTES:

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

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

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

GMZ Denotes Village of Roxana Interim Groundwater Monitoring Program well locations included in WRR RCRA Part B Permit as GMZ boundary wells.

* In addition to meeting the individual substance objectives (screening values), a Hazard Index (HI) must be less than or equal to 1 for a mixture of similar-acting substances, where the HI is calculated by: HI = [A]/ALA + [B]/ALB +. . . [I]/ALI

Indicates a current exceedance of screening criteria.

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

TABLE 5
GROUNDWATER FLOW RATE DETERMINATION

Quarter	Refinery Gradient (ft/ft)			Refinery Velocity (ft/day)
3Q25	16.5 / 5861	=	0.00282	0.137
4Q25	16 / 6121	=	0.00261	0.127

Sample Calculations:

The above results are based on Darcy's Law, which states:

Velocity = V = Hydraulic Conductivity * Gradient / Porosity

where:

K = Hydraulic Conductivity = 6.0x10-3 cm/sec (Part B RCRA Permit)

Porosity* = 0.35

Regional Groundwater Flow Velocity

$$V = \frac{(6.0 \times 10^{-3} \text{ cm/sec})\ (16.5 \text{ ft} / 5861 \text{ ft})\ (1 \text{ ft} / 30.48 \text{ cm})\ (86400 \text{ sec/day})}{0.35}$$

V = 0.137 ft/day

where:

Gradient = 16.5 / 5861 ft/ft = 0.00282

And:

$$V = \frac{(6.0 \times 10^{-3} \text{ cm/sec})\ (16 \text{ ft} / 6121 \text{ ft})\ (1 \text{ ft} / 30.48 \text{ cm})\ (86400 \text{ sec/day})}{0.35}$$

V = 0.127 ft/day

where:

Gradient = 16 / 6121 ft/ft = 0.00261

NOTES:
* The porosity used for these calculations is the average porosity of those measured and presented in Table C-3 of the approved RCRA Post-Closure Permit Application.

TABLE 6
DAILY WATER PRODUCTION SUMMARY
(NORTH AND MAIN PROPERTY)

July	
Date	**Whole System GPM**
7/1/2025	3404
7/2/2025	3398
7/3/2025	3414
7/4/2025	3427
7/5/2025	3417
7/6/2025	3410
7/7/2025	3389
7/8/2025	3378
7/9/2025	3393
7/10/2025	3414
7/11/2025	3396
7/12/2025	3387
7/13/2025	3376
7/14/2025	3364
7/15/2025	3358
7/16/2025	3354
7/17/2025	3346
7/18/2025	3338
7/19/2025	3333
7/20/2025	3336
7/21/2025	3324
7/22/2025	3318
7/23/2025	3306
7/24/2025	3292
7/25/2025	3287
7/26/2025	3286
7/27/2025	3280
7/28/2025	3276
7/29/2025	3275
7/30/2025	3274
7/31/2025	3264
AVERAGE:	3349 GPM

August	
Date	**Whole System GPM**
8/1/2025	3254
8/2/2025	3257
8/3/2025	3260
8/4/2025	3258
8/5/2025	3364
8/6/2025	3362
8/7/2025	3316
8/8/2025	3329
8/9/2025	3328
8/10/2025	3325
8/11/2025	3255
8/12/2025	3308
8/13/2025	3302
8/14/2025	3215
8/15/2025	3320
8/16/2025	3448
8/17/2025	3434
8/18/2025	3305
8/19/2025	3249
8/20/2025	3314
8/21/2025	3296
8/22/2025	3436
8/23/2025	3563
8/24/2025	3556
8/25/2025	3551
8/26/2025	3546
8/27/2025	3542
8/28/2025	3542
8/29/2025	3391
8/30/2025	3349
8/31/2025	3348
AVERAGE:	3365 GPM

September	
Date	**Whole System GPM**
9/1/2025	3348
9/2/2025	3225
9/3/2025	3379
9/4/2025	3358
9/5/2025	3350
9/6/2025	3346
9/7/2025	3343
9/8/2025	3425
9/9/2025	3474
9/10/2025	3473
9/11/2025	3474
9/12/2025	3430
9/13/2025	3441
9/14/2025	3388
9/15/2025	3358
9/16/2025	3425
9/17/2025	3502
9/18/2025	3494
9/19/2025	3430
9/20/2025	3292
9/21/2025	3289
9/22/2025	3409
9/23/2025	3481
9/24/2025	3481
9/25/2025	3479
9/26/2025	3472
9/27/2025	3467
9/28/2025	3461
9/29/2025	3385
9/30/2025	3381
AVERAGE:	3409 GPM

October	
Date	**Whole System GPM**
10/1/2025	3328
10/2/2025	3249
10/3/2025	3203
10/4/2025	3199
10/5/2025	3192
10/6/2025	3189
10/7/2025	3191
10/8/2025	3155
10/9/2025	3141
10/10/2025	3141
10/11/2025	3144
10/12/2025	3156
10/13/2025	3156
10/14/2025	3155
10/15/2025	3118
10/16/2025	3125
10/17/2025	3146
10/18/2025	3184
10/19/2025	3178
10/20/2025	3177
10/21/2025	3169
10/22/2025	3162
10/23/2025	3208
10/24/2025	3240
10/25/2025	3236
10/26/2025	3232
10/27/2025	3231
10/28/2025	3226
10/29/2025	3227
10/30/2025	3218
10/31/2025	3211
AVERAGE:	3190 GPM

November	
Date	**Whole System GPM**
11/1/2025	3197
11/2/2025	3194
11/3/2025	3194
11/4/2025	3201
11/5/2025	3193
11/6/2025	3191
11/7/2025	3191
11/8/2025	3186
11/9/2025	3174
11/10/2025	3173
11/11/2025	3171
11/12/2025	3166
11/13/2025	3162
11/14/2025	3162
11/15/2025	3159
11/16/2025	3151
11/17/2025	3146
11/18/2025	3226
11/19/2025	3246
11/20/2025	3251
11/21/2025	3202
11/22/2025	3125
11/23/2025	3123
11/24/2025	3283
11/25/2025	3347
11/26/2025	3286
11/27/2025	3188
11/28/2025	3356
11/29/2025	3359
11/30/2025	3351
AVERAGE:	3212 GPM

December	
Date	**Whole System GPM**
12/1/2025	3354
12/2/2025	3346
12/3/2025	3339
12/4/2025	3336
12/5/2025	3338
12/6/2025	3318
12/7/2025	3326
12/8/2025	3324
12/9/2025	3326
12/10/2025	3316
12/11/2025	3308
12/12/2025	3304
12/13/2025	3294
12/14/2025	3259
12/15/2025	3279
12/16/2025	3278
12/17/2025	3278
12/18/2025	3298
12/19/2025	3292
12/20/2025	3285
12/21/2025	3269
12/22/2025	3265
12/23/2025	3262
12/24/2025	3272
12/25/2025	3344
12/26/2025	3340
12/27/2025	3343
12/28/2025	3334
12/29/2025	3326
12/30/2025	3321
12/31/2025	3310
AVERAGE:	3309 GPM

NOTES:

GPM = Average gallons per minute for each 24-hr period.

Whole System = Wells defined in Condition IV(D)(2) of the Permit

TABLE 7
QUARTERLY LNAPL RECOVERY SUMMARY

Manual Recovery	
Quarter	**GALs**
3Q25	0.5
4Q25	1.0
TOTAL (GAL):	1.5

WRR Oil Recovery System (North and Main Property)	
Quarter	**BBLs**
3Q25	827
4Q25	
TOTAL (GAL):	34,734

NOTES:
GALs = Gallons of Product Removed.
BBLs = Barrels of Product Removed. Estimated based on height of oil in tank F-67 where 1' of oil in tank = 322 barrels.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 8
SUMMARY OF WATER PRODUCTION WELL ANALYTICAL DETECTIONS

			VOCs															
			Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroform	Cymene (p-Isopropyltoluene)	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)
Location	Sample ID	Sample Date	Analytical Results (mg/L)															
W-39	W-39-082725	8/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00089 J	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-39-082725-DUP	8/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00093 J	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-39-121025	12/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-39-121025-DUP	12/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00056 J	0.00022 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
W-68	W-68-082725	8/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-68-121125	12/11/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
W-69	W-69-082725	8/27/2025	36	< 0.2	< 0.2	< 0.2	< 0.2	0.16 J	< 0.2	< 0.2	< 1	< 0.2	3.2	< 0.2	< 0.2	< 1	< 1	< 2
	W-69-121025	12/10/2025	22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	1.7	< 0.2	< 0.2	< 1	< 1	< 2
W-70	W-70-082725	8/27/2025	0.43	0.0086	0.0067	< 0.0050	0.0044 J	0.25	0.022	< 0.0050	0.13	0.035	0.45	0.22	0.055	0.67	0.22	0.88
W-72	W-72-082725	8/27/2025	0.64	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0044 J	0.0034 J	< 0.025	0.0043 J	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.025	< 0.05
	W-72-121025	12/10/2025	0.65	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0034 J	0.0057	0.0031 J	< 0.025	0.0056	0.0099	< 0.0050	< 0.0050	< 0.025	< 0.025	< 0.05
W-77	W-77-082725	8/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-77-121125	12/11/2025	0.0021	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
W-78	W-78-121125	12/11/2025	17	< 0.05	< 0.05	< 0.05	< 0.05	0.12	< 0.05	0.018 J	< 0.25	< 0.05	0.93	0.051	< 0.05	0.29	< 0.25	0.35 J
W-79	W-79-082725	8/27/2025	30	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2
W-80	W-80-082725	8/27/2025	9.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1
	W-80-121125	12/11/2025	2.5	< 0.02	< 0.02	< 0.02	< 0.02	0.01 J	< 0.02	< 0.02	< 0.1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.1	< 0.1	< 0.2
W-81	W-81-082715	8/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
	W-81-121125	12/11/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01
W-86	W-86-082725	8/27/2025	1.9	< 0.02	< 0.02	< 0.02	< 0.02	0.15	< 0.02	< 0.02	< 0.1	< 0.02	1.4	0.044	0.012 J	0.31	0.1	0.41
W-87	W-87-082725	8/27/2025	0.78	0.048 J	0.018 J	< 0.02	0.015 J	2.1	0.12	< 0.02	0.33	0.29	5.9	1.9	0.49	6.6	2.5	9.1
	W-87-121125	12/11/2025	0.46	0.052	0.02	< 0.02	0.014 J	1.5	0.1	< 0.02	0.26	0.24	3.7	1.6	0.44	4.9	1.9	6.8
W-88	W-88-082725	8/27/2025	7.5	< 0.1	< 0.1	< 0.1	< 0.1	2.3	0.12	< 0.1	0.36 J	0.23	9.6	1.4	0.36	6.6	2.7	9.4
	W-88-121125	12/11/2025	0.79	< 0.0050	< 0.0050	0.0078	< 0.0050	0.095	0.0045 J	0.0045 J	0.016 J	0.0038 J	0.055	0.028	0.0065	0.21	0.035	0.24
W-89	W-89-082725	8/27/2025	0.68	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.066	0.0030 J	0.0041 J	< 0.025	< 0.0050	0.049	0.021	0.0049 J	0.16	0.026	0.18
	W-89-121025	12/10/2025	8	0.011	0.0068	< 0.0050	0.0045 J	1.3	0.057	< 0.0050	0.24	0.1	8.1	0.66	0.17	4.3	1.8	6.1
W-90	W-90-082725	8/27/2025	0.16	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0047	0.00054 J	0.00057 J	< 0.0050	0.00089 J	0.042	0.0016	< 0.0010	0.013	0.0049 J	0.018
	W-90-082725-DUP	8/27/2025	0.14	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0035	< 0.0010	0.00056 J	< 0.0050	< 0.0010	0.034	0.0011	< 0.0010	0.0097	0.0037 J	0.013
	W-90-121025	12/10/2025	0.31	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.013	0.0014	0.00067 J	< 0.0050	0.0023	0.12	0.0056	0.0015	0.041	0.014	0.055
	W-90-121025-DUP	12/10/2025	0.3	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.011	0.0011	0.00063 J	< 0.0050	0.0020	0.11	0.0049	0.0013	0.034	0.012	0.046
W-91	W-91-082725	8/27/2025	0.91	0.021	< 0.02	< 0.02	< 0.02	0.14	0.018 J	< 0.02	< 0.1	0.061	2.6	0.2	0.077	0.55	0.22	0.77
	W-91-121025	12/10/2025	2.5	0.029	< 0.02	< 0.02	< 0.02	1.7	0.074	< 0.02	< 0.1	0.21	10 F1 J	0.79	0.23	4.8 J	2	6.8
W-92	W-92-082725	8/27/2025	1.9	< 0.02	< 0.02	< 0.02	< 0.02	0.088	< 0.02	0.0068 J	< 0.1	< 0.02	0.19	0.023	< 0.02	0.16	< 0.1	0.21
	W-92-121125	12/11/2025	3.6	< 0.02	< 0.02	< 0.02	< 0.02	0.14	0.012 J	0.0071 J	< 0.1	< 0.02	0.25	0.037	0.011 J	0.26	0.074 J	0.34

NOTES:

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

LABORATORY QUALIFIERS

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

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

H = Analyzed or extracted out of holding time criteria.

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

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

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

*1 = LCS/LCSD RPD exceeds control limits.

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

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

TABLE 9
WATER PRODUCTION WELL SUMMARY

Well #	Date Installed	Well Screen Material	Well Diameter (in)	Total Depth (ft bgs)	Screened Interval (ft bgs)	Screen Length (ft)	Ground Surface Elevation [1]	Screened Interval Elevation [1]	Status
Interior Wells									
W-39	8/1942	PC	30	137.00	67.00 - 137.00	70	444.40	377.40 - 307.40	Operating as of 12/24/2025 status report.
W-68	12/1/1968	SS	20	130.00	90.00 - 130.00	40	442.70	352.70 - 312.70	Operating as of 12/24/2025 status report.
W-69	3/25/1978	SS	20	140.00	90.00 - 140.00	50	444.50	354.50 - 304.50	Operating as of 12/24/2025 status report.
W-70	8/1978	SS	20	136.50	96.50 - 136.50	40	444.65	348.15 - 308.15	Operating as of 12/24/2025 status report.
W-72	7/26/1982	SS	20	137.00	97.00 - 137.00	40	445.10	348.10 - 308.10	Operating as of 12/24/2025 status report.
W-86	6/2011	SS	24	108.50	75.50 - 108.50	33	445.60	370.10 - 337.10	Operating as of 12/24/2025 status report.
W-87	6/2012	SS	24	100.00	75.00 - 100.00	25	444.20	369.20 - 344.20	Operating as of 12/24/2025 status report.
W-88	6/2012	SS	24	100.00	75.00 - 100.00	25	445.73	370.73 - 345.73	Operating as of 12/24/2025 status report.
W-90	9/5/2017	SS	24	111.00	81.00 - 111.00	30	444.20	363.20 - 333.20	Operating as of 12/24/2025 status report.
W-91	9/5/2017	SS	24	107.00	82.00 - 107.00	25	444.90	362.90 - 337.90	Operating as of 12/24/2025 status report.
West Fenceline Wells									
W-77	4/30/1990	SS	20	142.00	112.00 - 142.00	30	442.60	330.60 - 300.60	Operating as of 12/24/2025 status report.
W-78	5/2/1990	SS	20	138.33	108.33 - 138.33	30	442.10	333.77 - 303.77	Operating as of 12/24/2025 status report.
W-79	5/9/1990	SS	20	134.92	104.92 - 134.92	30	443.20	338.28 - 308.28	Operating as of 12/24/2025 status report.
W-80	5/10/1990	SS	20	135.83	105.83 - 135.83	30	443.00	337.18 - 307.18	Operating as of 12/24/2025 status report.
W-81	5/14/1990	SS	20	129.00	99.00 - 129.00	30	444.40	345.40 - 315.40	Operating as of 12/24/2025 status report.
W-89	9/25/2014	SS	24	108.00	83.00 - 108.00	25	446.53	363.53 - 338.53	Operating as of 12/24/2025 status report.
W-92	11/14/2023	SS	24	111.20	80.00 - 110.00	30	442.96	362.96 - 332.96	Operating as of 12/24/2025 status report.

NOTES:

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

2) Well not included in the Permit.

3) Well with compromised integrity pending Permit Modification Request.

SS = Stainless Steel
SW = Steel, Welded
PC = Porous Concrete

BGS = Below Ground Surface

Figures

VILLAGE OF ROXANA
INVESTIGATION AREA

NORTH PROPERTY

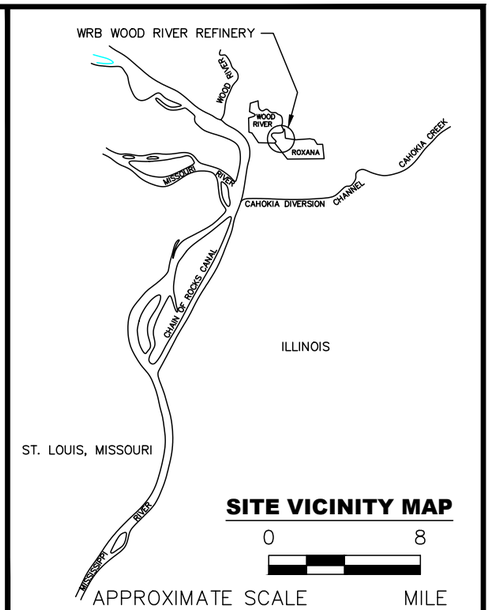
WOOD RIVER
REFINERY

RIVERFRONT
PROPERTY

MAIN PROPERTY

WEST PROPERTY

SOUTHWEST
PROPERTY



SITE VICINITY MAP

0 8

APPROXIMATE SCALE MILE

LEGEND

WOOD RIVER REFINERY PROPERTY BOUNDARY

VILLAGE OF ROXANA INVESTIGATION AREA

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

0 2000

APPROXIMATE SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY: EC February 2026 DSGN. BY: mar CHKD. BY: wmp	Site Location Map — FIG. NO. 1

File: G:\USERS\ALEXANDRIA\OUT\DAVITT_KEOSHA CONVENIENCE STORE – SHELL\ILLINOIS\WSF00868 #00 S CENTRAL AVE, ROXANA\WORK ORDER\FIGURE 1 SITE LOCATION MAP.DWG Last edited: 02/03/26 ● 4:20 PM ● WCC-ST.LOUIS

LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- WRR OIL RECOVERY WELL
- WRR GROUNDWATER PRODUCTION WELL
- GMZ BOUNDARY

NOTE

THE GMZ BOUNDARY INDICATED ON THIS FIGURE IS BASED ON THE AUGUST 20, 2025 MODIFIED RCRA PART B PERMIT ISSUED BY ILLINOIS EPA (LOG B-43R).

NORTH PROPERTY
BP PROPERTY
WOOD RIVER REFINERY
NORTH PROPERTY
VILLAGE OF ROXANA
RIVERFRONT PROPERTY
MISSISSIPPI RIVER
SHELL OIL COMPANY PROPERTY
WEST PROPERTY
VALERO PROPERTY
MAIN PROPERTY
MAIN OFFICE ROAD
SOLID WASTE DISPOSAL BASIN
SMITH LAKE
SOUTHWEST TANK FARM PROPERTY
TEXAS PIPELINE COMPANY
SOUTHWEST PROPERTY
GRASSY LAKE
VILLAGE OF SOUTH ROXANA
ROUTE 143
NORTH RUN-ON DITCH
RAND AVE.
HIGHWAY 111 & CENTRAL AVE.
K ST.
C ST.
M ST.
L ST.
5TH ST.
12TH ST.
19TH ST.
22ND ST.
25TH ST.

0 1200
SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mar CHKD. BY:wmp	Facility Monitoring Well, Groundwater Production Well, and Oil Recovery Well Locations
	FIG. NO. 2

File: C:\Users\Alexandru.Iunut.Dumit\AECOM\Convenience Store – Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 2 Facility Wells.dwg, by Dumitru, Ionut on 2/11/26

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 3 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: Feb. 03, 26 @ 4:38 PM by: alexandruionut.dumit

LEGEND

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

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

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

0 200
SCALE FEET
N

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

PROJECT NO. 60771235

AECOM

DRN. BY:EC February 2026
DSGN. BY:mr
CHKD. BY:wmp

Roxana Interim Groundwater Monitoring Well Locations

FIG. NO. 3

LEGEND

- MONITORING WELL LOCATION GAUGED
- MONITORING WELL LOCATION NOT USED IN GENERATION OF CONTOURS
- WRR GROUNDWATER PRODUCTION WELL
- GROUNDWATER GRADIENT
- 407 GROUNDWATER SURFACE CONTOUR NAVD 88 (CONTOUR INTERVAL 0.5 FT.)

REFINERY GROUNDWATER GRADIENT a
16.5'
5861'

NOTES:
1. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JULY 1–3, 2025 DURING THE 3rd QUARTER GAUGING EVENT.
2. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
3. ELEVATIONS ARE RELATIVE TO NAVD 88.
4. ELEVATIONS USED TO GENERATE THE CONTOUR LINES CAN BE FOUND IN TABLE 1.
5. MONITORING WELLS P–47 AND P–51 ON THE RIVERFRONT PROPERTY WERE GAUGED BUT ARE NOT USED TO GENERATE GROUNDWATER CONTOURS.
6. GROUNDWATER MONITORING WELLS LOCATED OUTSIDE THE WRR PROPERTY BOUNDARY ARE IN THE VILLAGE OF ROXANA AND ARE NOT PART OF THE WOOD RIVER REFINERY RCRA PART B PERMIT, EXCEPT FOR MW–1, MW–3, MW–5, MW–6A–D, MW–10, MW–11, MW–14, MW–16, MW–22, MW–26, MW–28, ROST–3–MW, P–52, P–53, AND P–54.

0 1200
SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mar CHKD. BY:wmp	Refinery Potentiometric Map Third Quarter 2025
	FIG. NO. 4a

File: C:\Users\Alexandrulonut.Dumit\AECOM\Convenience Store – Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 4a Refinery Potetiometric Map 3Q25.dwg, by Dumitru, Ionut on 2/3/26

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 4B WF POTETIOMETRIC MAP 3Q25.DWG Last edited: Feb. 03, 26 @ 4:02 PM by: alexandruionut.dumit

LEGEND

GROUNDWATER MONITORING WELL LOCATION USED TO GENERATE GROUNDWATER CONTOURS

GROUNDWATER MONITORING WELL LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS

WRR GROUNDWATER PRODUCTION WELL

– 400.0 – GROUNDWATER SURFACE CONTOUR (CONTOUR INTERVAL 0.5 FT)

GROUNDWATER GRADIENT

NOTES:
1. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ELEVATIONS ARE RELATIVE TO NAVD 88.
3. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JULY 1–3, 2025.

401.0 400.5 401.0 401.5 402.0 400.5 400.0 399.5 399.0 398.5 400.0 400.5 401.0 401.5 402.0 402.5 403.0

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

T-13 400.77
T-1 400.58
T-2 400.48
T-12 398.70
T-24 399.34
T-6 400.03
T-64 401.99
T-63 401.97
T-62 402.29
T-7 402.19
MW-10 400.24
MW-09 400.42
MW-28 401.60
P-55R 402.60
ROST-4-PZ(A) 400.03
MW-27 401.13
ROST-4-PZ(D) 400.46
ROST-4-PZ(C) 400.34
ROST-3-MW 399.91
ROST-4-PZ(F) 401.88
ROST-4-PZ(B) 400.66
ROST-4-PZ 400.48
ROST-4-PZ(E) 400.94
P-60 399.06
P-68 399.22
ROST-4-PZ(G) 399.38
MW-11 399.93
P-54 400.16
MW-24 399.97
MW-22 399.55
MW-17 398.96
P-69 398.28
P-62 399.61
P-70 399.01
MW-18 398.81
P-74 398.70
MW-19 399.08
P-61 398.92
MW-16 399.55
P-59 399.07
MW-20 399.42
P-56 399.47
MW-12 400.02
MW-02 399.86
MW-01 400.07
MW-26 400.20
P-71 401.02
S-1 400.32
P-73 399.78
MW-21 400.11
P-57 400.13
MW-04 400.38
MW-03 400.60
P-93A 400.29
P-93B
P-93C
P-93D
MW-25 400.66
MW-05 400.72
MW-07
MW-23 401.05
P-72 400.78
P-58 400.65
MW-13 401.46
MW-06A 401.23
MW-6B
MW-6C
MW-6D
P-66 400.95
P-75 400.93
MW-14 401.56
P-117 401.63
R-114R 401.74
P-116 401.78
P-115 401.90
P-119 402.02
P-67 402.20

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

A-147 A-58 A-57 A-37 A-35 A-16 A-32 A-31 A-30 A-29 A-28 A-33 A-22 F-50 F-76 F-77 F-73 F-74 F-75

0 300
SCALE FEET

N

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

PROJECT NO. 60771235

AECOM

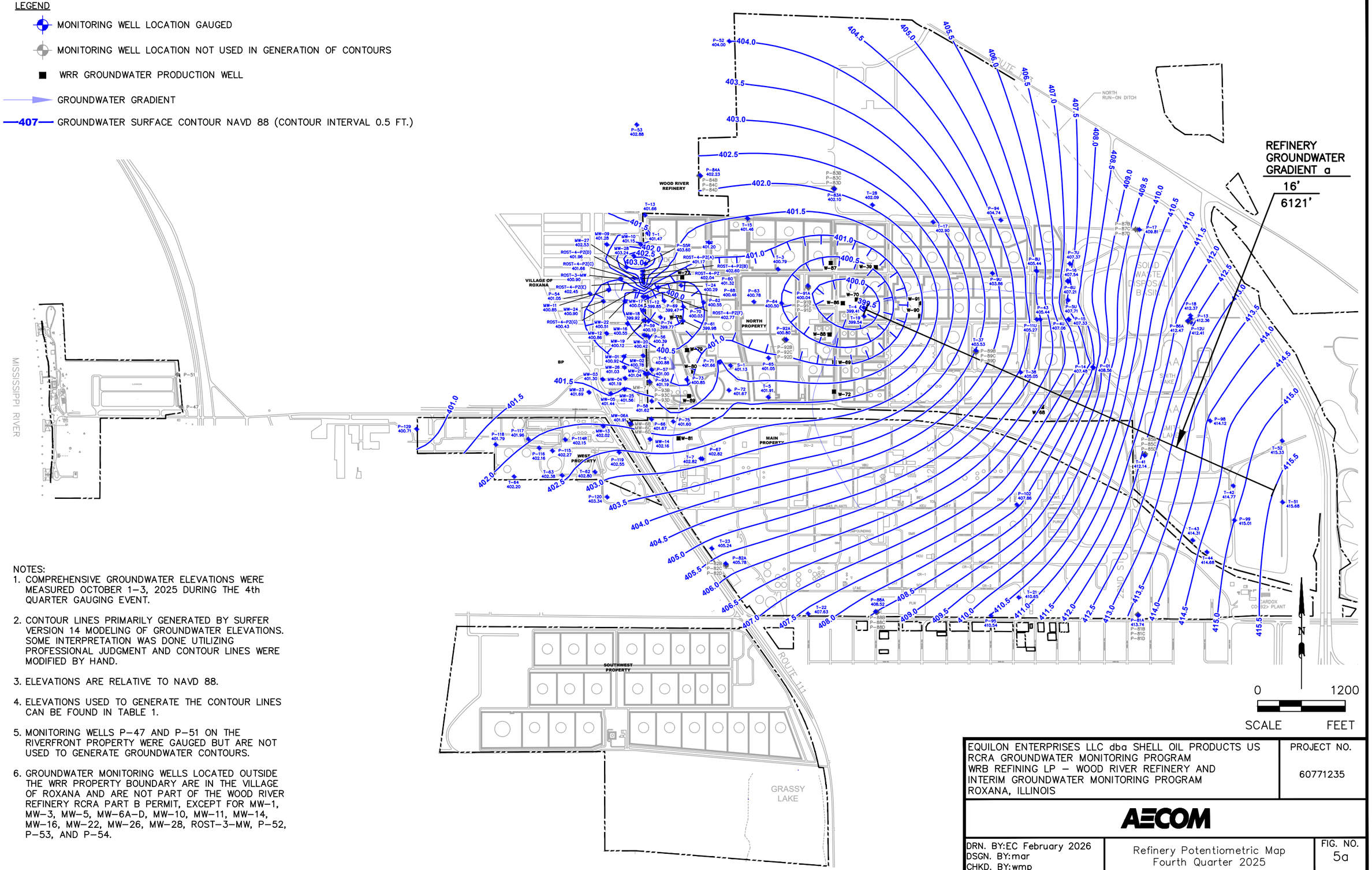
DRN. BY:EC February 2026
DSGN. BY:gds
CHKD. BY:mr/bh

West Fenceline Groundwater Contours – Third Quarter 2025

FIG. NO. 4b

LEGEND

- MONITORING WELL LOCATION GAUGED
- MONITORING WELL LOCATION NOT USED IN GENERATION OF CONTOURS
- WRR GROUNDWATER PRODUCTION WELL
- GROUNDWATER GRADIENT
- 407 GROUNDWATER SURFACE CONTOUR NAVD 88 (CONTOUR INTERVAL 0.5 FT.)



NOTES:

1. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED OCTOBER 1–3, 2025 DURING THE 4th QUARTER GAUGING EVENT.
2. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
3. ELEVATIONS ARE RELATIVE TO NAVD 88.
4. ELEVATIONS USED TO GENERATE THE CONTOUR LINES CAN BE FOUND IN TABLE 1.
5. MONITORING WELLS P–47 AND P–51 ON THE RIVERFRONT PROPERTY WERE GAUGED BUT ARE NOT USED TO GENERATE GROUNDWATER CONTOURS.
6. GROUNDWATER MONITORING WELLS LOCATED OUTSIDE THE WRR PROPERTY BOUNDARY ARE IN THE VILLAGE OF ROXANA AND ARE NOT PART OF THE WOOD RIVER REFINERY RCRA PART B PERMIT, EXCEPT FOR MW–1, MW–3, MW–5, MW–6A–D, MW–10, MW–11, MW–14, MW–16, MW–22, MW–26, MW–28, ROST–3–MW, P–52, P–53, AND P–54.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mar CHKD. BY:wmp	Refinery Potentiometric Map Fourth Quarter 2025
	FIG. NO. 5a

File: C:\Users\Alexandrulonut.Dumit\AECOM\Convenience Store – Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 5a Refinery Potetiometric Map 4Q25.dwg, by Dumitru, Ionut on 2/3/26

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 5B WF POTETIOMETRIC MAP 4Q25.DWG Last edited: Feb. 03, 26 @ 4:05 PM by: alexandruionut.dumit

LEGEND

GROUNDWATER MONITORING WELL LOCATION USED TO GENERATE GROUNDWATER CONTOURS

GROUNDWATER MONITORING WELL LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS

WRR GROUNDWATER PRODUCTION WELL

– 400.0 – GROUNDWATER SURFACE CONTOUR (CONTOUR INTERVAL 0.5 FT)

GROUNDWATER GRADIENT

NOTES:
1. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ELEVATIONS ARE RELATIVE TO NAVD 88.
3. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED OCTOBER 1–3, 2025.

TYDEMAN AVE
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
VILLAGE OF ROXANA
HIGHWAY 111 (S. CENTRAL AVE.)
CHAFFER AVE
1ST STREET
NORTH PROPERTY
WOOD RIVER REFINERY
MAIN PROPERTY
WEST PROPERTY
BP
PUBLIC WORKS YARD
1986 APPROXIMATE BENZENE RELEASE SITE
RAND AVENUE
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE

T-13 401.66
T-1 401.47
MW-10 401.15
MW-09 401.28
P-55R 403.60
MW-28 403.24
ROST-4-PZ(A) 401.17
MW-27 402.53
ROST-4-PZ(B) 402.60
ROST-4-PZ(D) 401.96
ROST-4-PZ(C) 401.66
ROST-3-MW 400.90
ROST-4-PZ 402.04
ROST-4-PZ(E) 402.45
ROST-4-PZ(F) 402.77
P-60 401.32
T-24 400.29
P-68 400.46
ROST-4-PZ(G) 400.43
MW-11 400.85
P-54 401.05
MW-24 400.90
MW-22 400.51
MW-17 400.04
T-12 399.85
P-69 399.47
P-62 400.55
P-70 400.03
MW-18 399.92
P-74 399.77
P-61 399.98
MW-19 400.12
MW-16 400.55
P-59 400.10
MW-12 400.86
MW-20 400.42
P-56 400.39
MW-02 400.78
MW-01 400.92
T-6 400.88
MW-26 401.03
MW-21 401.04
P-57 401.00
P-73 400.85
MW-03 401.30
MW-04 401.19
P-93A 401.19
MW-25 401.56
MW-05 401.44
MW-23 401.69
MW-07
P-58 401.62
P-71 401.66
S-1 401.13
P-72 401.67
MW-06A 401.91
MW-6B
MW-6C
MW-6D
P-66 401.67
P-75 401.60
MW-13 402.02
MW-14 402.16
P-117 401.96
R-114R 402.15
P-116 402.16
P-115 402.27
P-119 402.55
T-7 402.82
P-67 402.82
T-64 402.20
T-63 402.38
T-62 402.80

402.0
401.5
402.0
402.5
403.0
400.0
400.5
401.0
401.5
402.0
402.5
403.0
403.5

W-77 W-92 W-78 W-79 W-80 W-89 W-81

A-32 A-31 A-58 A-57 A-34 A-28 A-33 A-37 A-27 A-35 A-16 A-30 A-22 A-29 A-147 F-50 F-76 F-77 F-78 F-73 F-74 F-75

0 300
SCALE FEET
N

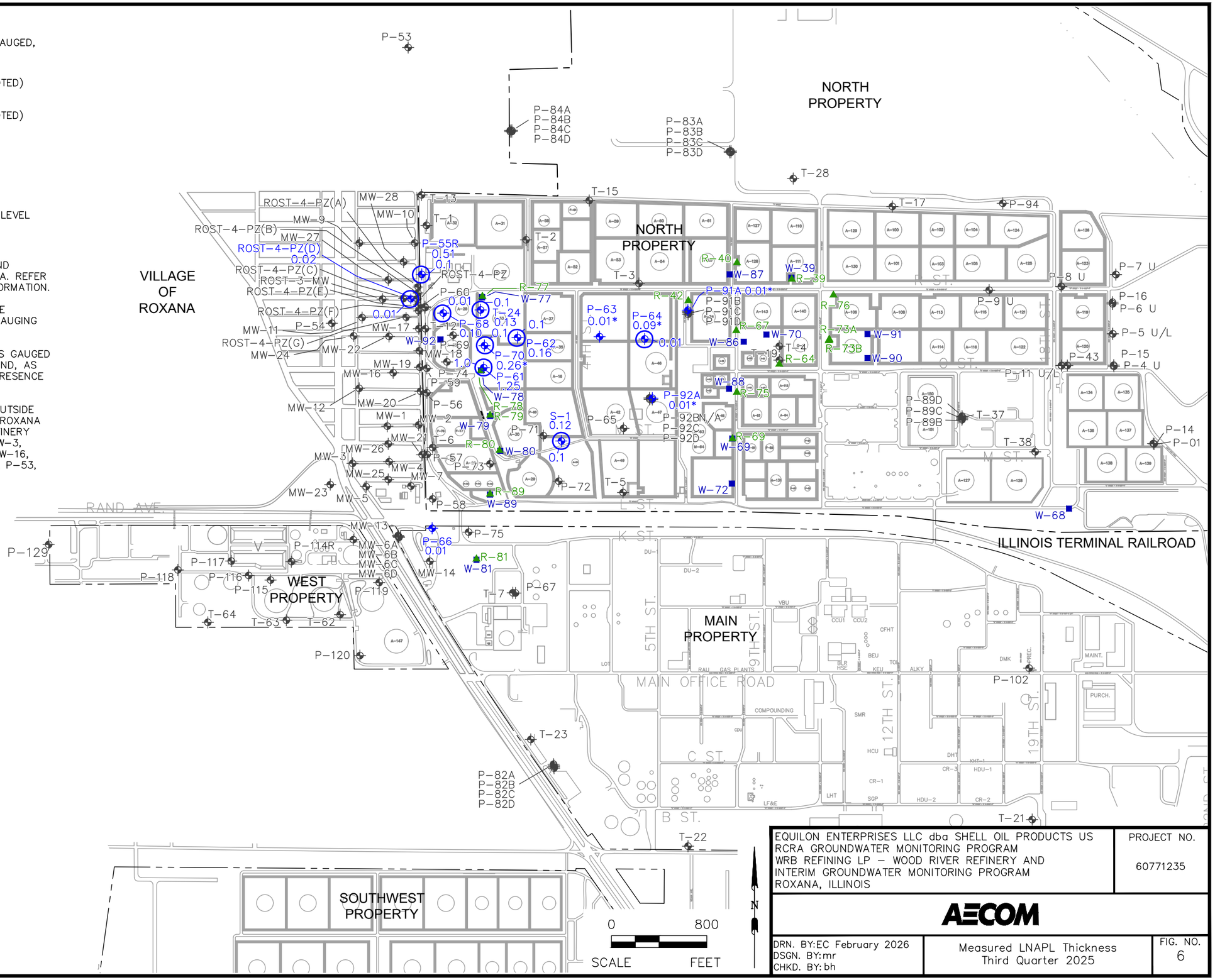
EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY: gds CHKD. BY: mr/bh	West Fenceline Groundwater Contours – Fourth Quarter 2025
	FIG. NO. 5b

LEGEND

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

NOTES:

1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WRR AREA. REFER TO TABLE 1 FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON JULY 1–3, 2025.
3. GROUNDWATER LEVELS IN SOME OF THE WELLS GAUGED ARE ABOVE THE TOP OF THE WELL SCREEN AND, AS SUCH, MAY NOT ACCURATELY REFLECT THE PRESENCE OF LNAPL OR AMOUNT OF LNAPL PRESENT.
4. GROUNDWATER MONITORING WELLS LOCATED OUTSIDE THE WRR PROPERTY ARE IN THE VILLAGE OF ROXANA AND ARE NOT PART OF THE WOOD RIVER REFINERY RCRA PART B PERMIT, EXCEPT FOR MW–1, MW–3, MW–5, MW–6A–D, MW–10, MW–11, MW–14, MW–16, MW–22, MW–26, MW–28, ROST–3–MW, P–52, P–53, AND P–54.



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Measured LNAPL Thickness Third Quarter 2025
	FIG. NO. 6

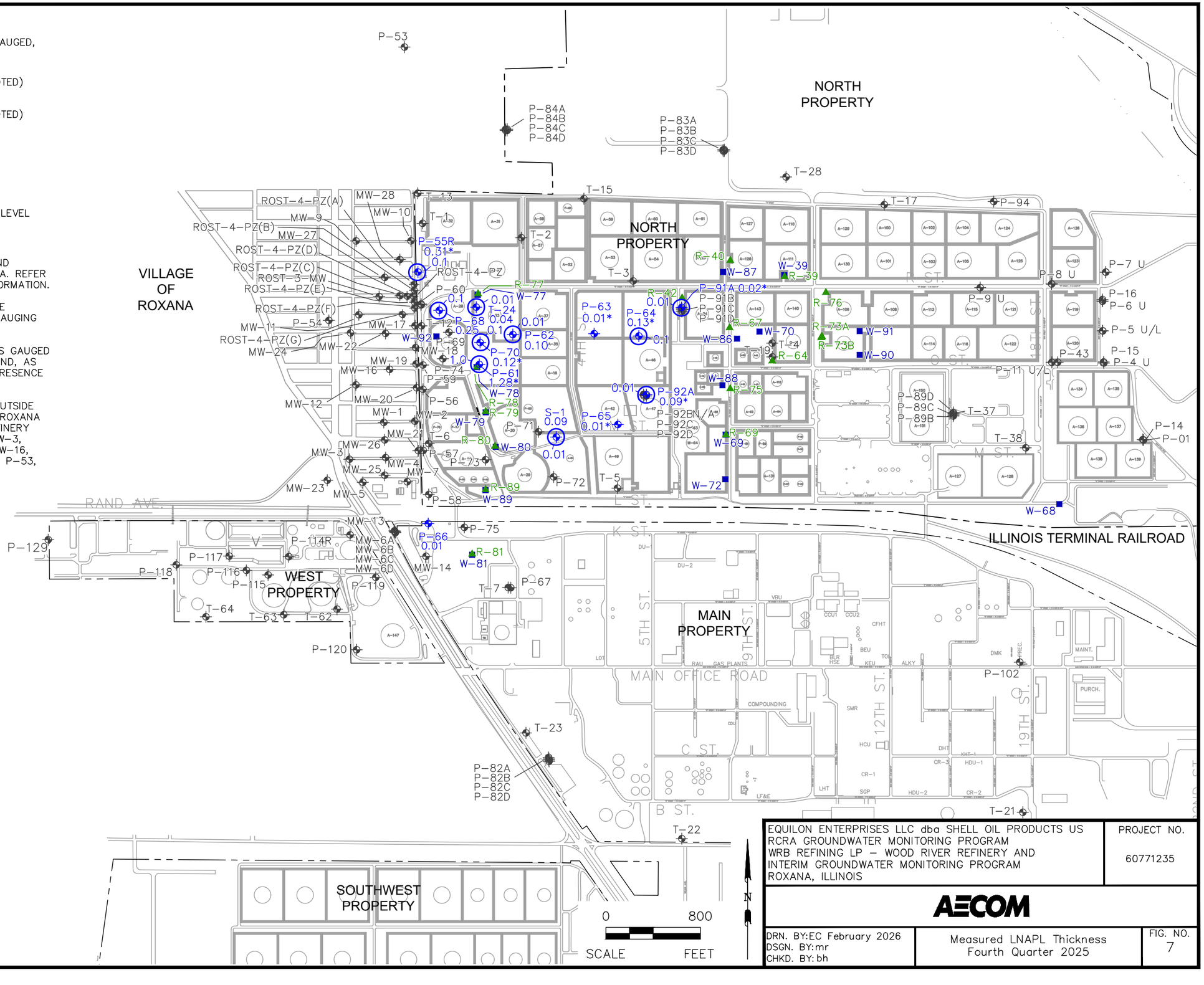
File: C:\USERS\ALEXANDRIA.ONUFRY\DESKTOP\ROXANA CONVENIENCE STORE – SHELL\ILLINOIS\GSP\60868 800 S. CENTRAL AVE. ROXANA\RCRA GWMP\FIGURE 6 REFINERY THICKNESS OF LNAPL 3Q25.DWG Last edited: Feb. 03, 26 @ 4:38 PM by: alexandria.onufry

LEGEND

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

NOTES:

1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WRR AREA. REFER TO TABLE 1 FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON OCTOBER 1–3, 2025.
3. GROUNDWATER LEVELS IN SOME OF THE WELLS GAUGED ARE ABOVE THE TOP OF THE WELL SCREEN AND, AS SUCH, MAY NOT ACCURATELY REFLECT THE PRESENCE OF LNAPL OR AMOUNT OF LNAPL PRESENT.
4. GROUNDWATER MONITORING WELLS LOCATED OUTSIDE THE WRR PROPERTY ARE IN THE VILLAGE OF ROXANA AND ARE NOT PART OF THE WOOD RIVER REFINERY RCRA PART B PERMIT, EXCEPT FOR MW–1, MW–3, MW–5, MW–6A–D, MW–10, MW–11, MW–14, MW–16, MW–22, MW–26, MW–28, ROST–3–MW, P–52, P–53, AND P–54.



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Measured LNAPL Thickness Fourth Quarter 2025
	FIG. NO. 7

File: C:\USERS\ALEXANDRIA.ONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\VSF00868 800 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 7 REFINERY THICKNESS OF LNAPL 4Q25.DWG Last edited: Feb. 03, 26 @ 4:38 PM by: alexandria.onut.dumit

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 8 GROUNDWATER EXCEEDANCES 3Q25.DWG Last edited: Feb. 03, 26 @ 4:38 PM by: alexandruionut.dumit

LEGEND

- GROUNDWATER MONITORING WELL WITH ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA
- GROUNDWATER MONITORING WELL WITHOUT ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED

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

Analyte	Screening Criteria (mg/L)
Benzene	0.005
Naphthalene	0.77
1,2,4-Trimethylbenzene	0.07
2-Methylnaphthalene	0.015
Phenol	0.1

3. MULTIPLE RESULTS (e.g., 1.7/1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
4. WELLS P-55R, P-66 AND P-68 WERE NOT SAMPLED DURING 3Q25 DUE TO THE PRESENCE OF LNAPL.
5. BOLDED RESULTS INDICATED EXCEEDANCES WHERE A DUPLICATE OR CONFIRMATION SAMPLE WAS BELOW SCREENING CRITERIA.

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

H = ANALYZED OR EXTRACTED OUT OF HOLDING TIME CRITERIA.

Sample Location	MW-22
Sampled 7/15/2025	Result (mg/L)
Benzene	0.021
Naphthalene	0.12
2-Methylnaphthalene	0.026

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

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

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

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

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

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

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

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

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

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

MW-9, MW-10, SECOND ST, MW-28, P-55R, NORTH PROPERTY, A-34, MW-27, ROST-4-PZ(A), ROST-4-PZ(B), ROST-4-PZ(C), ROST-4-PZ, THIRD ST, ROST-3-MW, ROST-4-PZ(D), ROST-4-PZ(E), ROST-4-PZ(F), P-60, P-68, A-28, T-24, MW-11, ROST-4-PZ(G), P-54, T-12, MW-17, MW-24, FOURTH ST, MW-22, P-69, WOOD RIVER REFINERY, P-70, A-27, MW-18, P-74, MW-19, P-61, MW-16, FIFTH ST, P-59, HIGHWAY 111 (S. CENTRAL AVE), VILLAGE OF ROXANA, MW-12, MW-20, P-56, SIXTH ST, MW-1, MW-2, CHAFFER AVE, 1ST STREET, F-76, F-77, BP, SEVENTH ST, MW-26, MW-21, T-6, P-57, P-93A, P-93B, P-93C, P-93D, MW-3, MW-4, EIGHTH ST, MW-5, MW-25, MW-7, MW-23, 1986 APPROXIMATE BENZENE RELEASE SITE, P-58, RAND AVENUE, 2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE, P-66, P-75, MW-6A, MW-6B, MW-6C, MW-6D, WEST PROPERTY, MW-13, MAIN PROPERTY, MW-14, P-114R

0 200 SCALE FEET

N

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

PROJECT NO. 60771235

AECOM

DRN. BY:EC February 2026
DSGN. BY:mr
CHKD. BY:bh

Roxana Groundwater Analytical Exceedances Third Quarter 2025

FIG. NO. 8

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 9 GROUNDWATER EXCEEDANCES 4Q25.DWG Last edited: Feb. 03, 26 @ 4:38 PM by: alexandruionut.dumit

LEGEND

- GROUNDWATER MONITORING WELL WITH ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA
- GROUNDWATER MONITORING WELL WITHOUT ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED

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

Analyte	Screening Criteria (mg/L)
Benzene	0.005
Chloroform	0.07
1,2,4-Trimethylbenzene	0.07
2-Methylnaphthalene	0.015
3 & 4-Methylphenol	0.14
Phenol	0.1

3. MULTIPLE RESULTS (e.g. 620/620/280) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
4. WELLS P-55R, P-66 AND P-68 WERE NOT SAMPLED DURING 4Q25 DUE TO THE PRESENCE OF LNAPL.
5. DATA FROM VOC 8260 RE-SAMPLES COLLECTED ON DECEMBER 10, 2025 WAS USED FOR WELL MW-24; SEE TABLE 3B FOR ORIGINAL AND RE-SAMPLE RESULTS.
6. BOLDED RESULTS INDICATED EXCEEDANCES WHERE A DUPLICATE OR CONFIRMATION SAMPLE WAS BELOW SCREENING CRITERIA.

J = THE RESULT IS ESTIMATED.

B = METHOD BLANK CONTAMINATION.

MW-9 MW-10 SECOND ST MW-28 P-55R MW-27 ROST-4-PZ(A) ROST-4-PZ(B) ROST-4-PZ ROST-4-PZ(C) THIRD ST ROST-3-MW ROST-4-PZ(D) ROST-4-PZ(E) ROST-4-PZ(F) MW-11 ROST-4-PZ(G) P-54 MW-24 FOURTH ST MW-22 MW-17 MW-18 MW-19 MW-16 FIFTH ST MW-12 VILLAGE OF ROXANA MW-20 SIXTH ST HIGHWAY 111 (S. CENTRAL AVE) MW-1 MW-2 CHAFFER AVE SEVENTH ST MW-26 MW-21 MW-3 MW-4 EIGHTH ST MW-5 MW-25 MW-7 MW-23 1986 APPROXIMATE BENZENE RELEASE SITE RAND AVENUE WEST PROPERTY MW-13 P-114R MW-6A MW-6B MW-6C MW-6D MW-14 2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE MAIN PROPERTY NORTH PROPERTY WOOD RIVER REFINERY 1ST STREET 2ND STREET

Sample Location	ROST-4-PZ (G)
Sampled 10/15/2025	Result (mg/L)
Benzene	0.0085

Sample Location	T-12
Sampled 10/17/2025	Result (mg/L)
Benzene	1.4
2-Methylnaphthalene	0.032

Sample Location	P-74
Sampled 10/16/2025	Result (mg/L)
Benzene	3.1

Sample Location	P-59
Sampled 10/17/2025	Result (mg/L)
Benzene	0.57
1,2,4-Trimethylbenzene	0.097

Sample Location	P-56
Sampled 10/17/2025	Result (mg/L)
1,2,4-Trimethylbenzene	0.082

Sample Location	MW-4
Sampled 10/9/2025, 12/10/2025	Result (mg/L)
Benzene	620 / 620 / 280
Chloroform	2.2 J J / 2.0 J J / **<2.5**
Phenol	0.33 / 0.27

Sample Location	P-57
Sampled 10/16/2025	Result (mg/L)
Benzene	0.058
2-Methylnaphthalene	0.033

Sample Location	P-93A	P-93B
Sampled 10/20/2025	Results (mg/L)	
Benzene	48	600
Phenol	0.24 B	0.18 B

Sample Location	P-58
Sampled 10/16/2025	Result (mg/L)
Benzene	290
2-Methylnaphthalene	0.045
3 & 4-Methylphenol	2.1
Phenol	0.42

SCALE 0 200 FEET

N

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

PROJECT NO. 60771235

AECOM

DRN. BY:EC February 2026
DSGN. BY:mr
CHKD. BY:bh

Refinery Groundwater Analytical Exceedances
Fourth Quarter 2025

FIG. NO. 9

LEGEND

GROUNDWATER MONITORING WELL WITH ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA

GROUNDWATER MONITORING WELL WITHOUT ANALYTICAL EXCEEDANCES OF SCREENING CRITERIA

GROUNDWATER MONITORING WELL NOT SAMPLED

NOTES:

1. ANALYTICAL RESULTS ARE SCREENED AGAINST CRITERIA OUTLINED IN THE WRR RCRA PART B PERMIT.
2. GROUNDWATER CLASS I SCREENING CRITERIA.

Analyte	Screening Criteria (mg/L)
Benzene	0.005
2-Methylnaphthalene	0.015
Phenol	0.1

3. MULTIPLE RESULTS (E.G., 0.76 / 0.79) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES. BOLDED RESULTS INDICATE EXCEEDANCES WHERE A DUPLICATE SAMPLE WAS BELOW SCREENING CRITERIA.
4. WELL P–55R WAS NOT SAMPLED DURING 4Q25 DUE TO THE PRESENCE OF LNAPL.

B = TARGET ANALYTE WAS IDENTIFIED IN THE METHOD BLANK, INDICATING POSSIBLE LAB CONTAMINATION.

J = THE RESULT IS ESTIMATED.

Sample Location	P-60
Sampled 10/10/2025	Result (mg/L)
Benzene	0.76 / 0.79
2-Methylnaphthalene	0.12 / 0.12

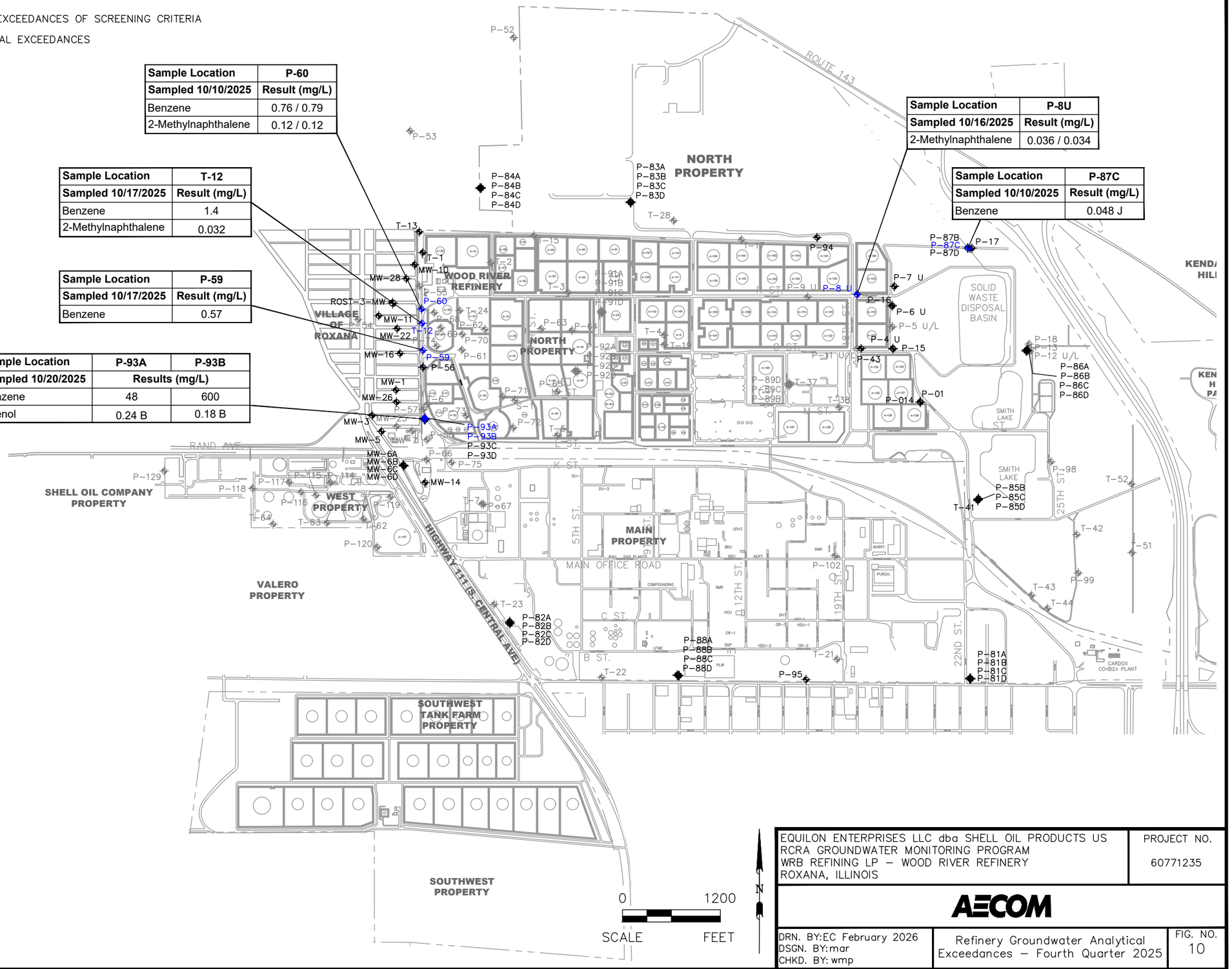
Sample Location	T-12
Sampled 10/17/2025	Result (mg/L)
Benzene	1.4
2-Methylnaphthalene	0.032

Sample Location	P-59
Sampled 10/17/2025	Result (mg/L)
Benzene	0.57

Sample Location	P-93A	P-93B
Sampled 10/20/2025	Results (mg/L)	
Benzene	48	600
Phenol	0.24 B	0.18 B

Sample Location	P-8U
Sampled 10/16/2025	Result (mg/L)
2-Methylnaphthalene	0.036 / 0.034

Sample Location	P-87C
Sampled 10/10/2025	Result (mg/L)
Benzene	0.048 J



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY ROXANA, ILLINOIS		PROJECT NO. 60771235
AECOM		
DRN. BY:EC February 2026 DSGN. BY:mar CHKD. BY: wmp	Refinery Groundwater Analytical Exceedances – Fourth Quarter 2025	FIG. NO. 10

File: C:\Users\Alexandrulonut.Dumit\AECOM\Convenience Store – Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 10 Refinery GW Exceedances 4Q25.dwg, by Dumitru, Ionut on 2/3/26

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 11 GW BENZENE 3Q25.DWG Last edited: Feb. 03, 26 @ 4:39 PM by: alexandruionut.dumit

LEGEND

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

NOTES:

1. IMAGES GENERATED UTILIZING CTECH MINING VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ALL RESULTS SHOWN IN mg/L.
3. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON–DETECT RESULTS (e.g., <0.001 mg/L).
4. NON–DETECT VALUES ARE MODELED AT HALF THE REPORTING LIMIT.
5. MULTIPLE RESULTS (e.g. 1.7/1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P–55R, P–66, AND ROST–4–PZ(D) ADJUSTED BASED ON AVAILABLE 3Q25 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.
7. J = THE RESULT IS ESTIMATED.
8. AT WELL CLUSTER LOCATIONS, THE HIGHEST VALUE WAS USED FOR CONTOURING PURPOSES.

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

PZ–1(101) PZ–1(85) MW–9 <0.001 MW–10 <0.001 MW–28 <0.001 MW–27 <0.001 ROST–4–PZ(A) ROST–4–PZ(B) ROST–4–PZ(C) 0.0011 / 0.001 ROST–4–PZ(D) 0.02 ROST–3–MW <0.001 ROST–4–PZ(E) <0.001 ROST–4–PZ(F) ROST–4–PZ(G) 0.0083 MW–11 <0.001 MW–17 MW–22 0.021 MW–18 MW–19 MW–16 <0.001 PZ–2(84) PZ–2(70.5) MW–12 <0.001 MW–20 MW–24 <0.001 P–54 <0.001 MW–01 <0.001 MW–2 0.00072 J MW–26 <0.001 P–57 0.0072 MW–21 MW–3 <0.001 MW–4 7.5 MW–25 410 / 400 MW–5 <0.001 MW–7 MW–23 <0.001 MW–13 <0.001 MW–6A <0.001 MW–6B <0.001 MW–6C <0.001 MW–6D <0.001 P–114R <0.001 MW–14 <0.001 / <0.001 P–115

P–55R 0.51 P–60–11 P–60–S P–60 P–60–12 P–60–13 P–68 0.10 P–59 0.42 P–56 <0.001 P–74 4.9 P–69 P–70 0.26* P–61 1.25 P–66 0.01 P–58 390 / 350 P–73 P–75 P–93A 56 P–93B 930 P–93C 1.7 / 1.9 P–93D <0.001 T–24 0.13 T–12 1.2 T–6

R–77 W–77 R–78 W–78 R–79 W–79 R–80 W–80 R–81 W–81 R–89 W–89 W–92

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

0.1 0.01 0.005 0.05 0.5 5 50 500 1.0

0 200 SCALE FEET N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60771235
AECOM		
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Roxana Dissolved Phase Benzene Concentrations in Groundwater Third Quarter 2025	FIG. NO. 11

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 12 GW BENZENE 4Q25.DWG Last edited: Feb. 03, 26 @ 4:43 PM by: alexandruionut.dumit

LEGEND

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

NOTES:

1. IMAGES GENERATED UTILIZING CTECH MINING VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ALL RESULTS SHOWN IN mg/L.
3. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON–DETECT RESULTS (e.g., <0.0005 mg/L).
4. NON–DETECT VALUES ARE MODELED AT HALF THE REPORTING LIMIT.
5. MULTIPLE RESULTS (e.g. 620/620/280) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P–55R AND P–66 ADJUSTED BASED ON AVAILABLE 4Q25 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.
7. J = THE RESULT IS ESTIMATED.
8. AT WELL CLUSTER LOCATIONS, THE HIGHEST VALUE WAS USED FOR CONTOURING PURPOSES.
9. DATA FROM VOC 8260 RE–SAMPLES COLLECTED ON DECEMBER 10, 2025 WAS USED FOR WELL MW–24; SEE TABLE 3B FOR ORIGINAL AND RE–SAMPLE RESULTS.

BP

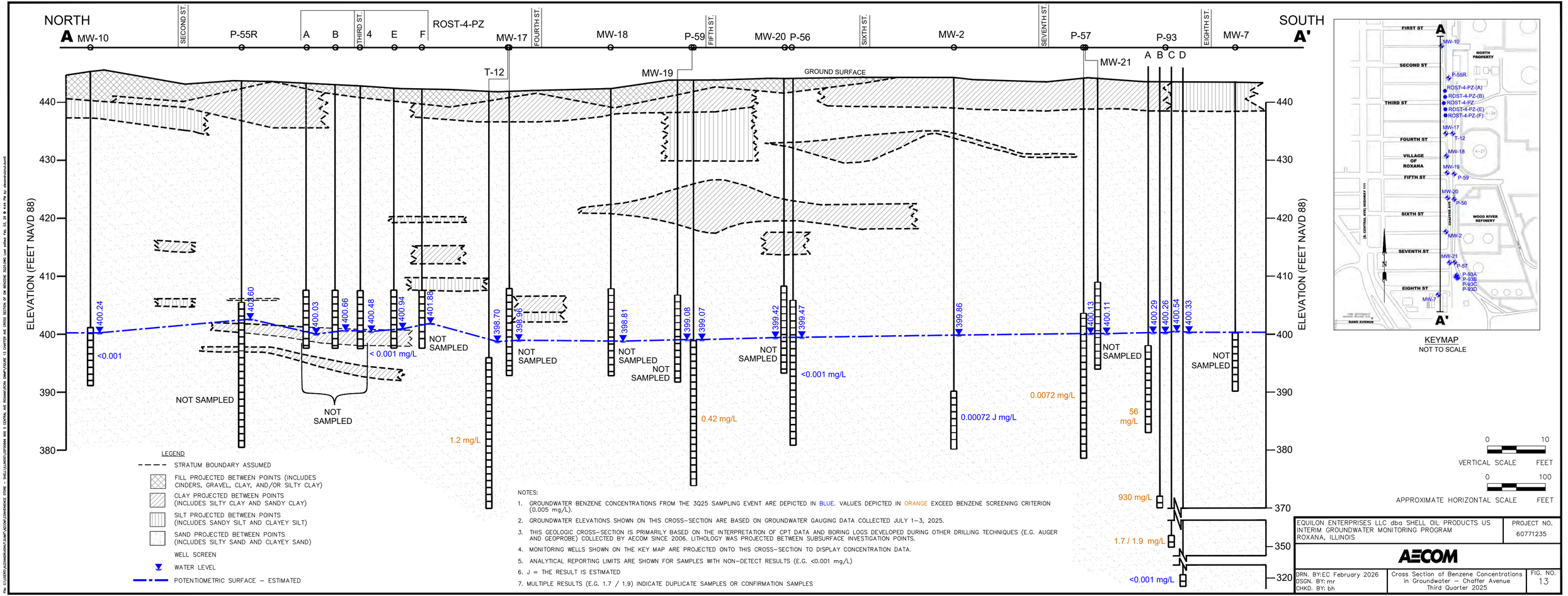
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
2ND STREET
RAND AVENUE
VILLAGE OF ROXANA
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
WOOD RIVER REFINERY
PUBLIC WORKS YARD

PZ–1(101)
PZ–1(85)
MW–9 <0.0005
MW–10 <0.0005
MW–28 <0.0005
MW–27 <0.0005
ROST–4–PZ(A)
ROST–4–PZ(B)
ROST–4–PZ(C) <0.005
ROST–4–PZ(D)
ROST–4–PZ(E) <0.0005
ROST–4–PZ(F)
ROST–4–PZ(G) 0.0085
ROST–3–MW <0.0005
MW–11 <0.0005
MW–24 <0.001
MW–22 0.0033 J
MW–16 <0.0005
PZ–2(84)
PZ–2(70.5)
MW–12 <0.0005
MW–20
MW–01 <0.0005
MW–2 <0.0025 / 0.00097 J
MW–26 <0.0005
MW–21
MW–3 0.00023 J
MW–4 620 / 620 / 280
MW–25
MW–5 0.0011
MW–7
MW–23 <0.0005
MW–13 <0.0005
MW–6A <0.0005
MW–6B <0.0005
MW–6C <0.0005
MW–6D <0.0005
MW–14 <0.0005 / <0.0005
MW–17
MW–18
MW–19
P–54 <0.0005
P–55R 0.31*
P–60–11
P–60–S
P–60
P–60–12
P–60–13
P–68 0.25*
T–12 1.4
P–69
W–92
P–74 3.1
P–59 0.57
P–56 0.0013 J
P–57 0.058
P–93A 48
P–93B 600
P–93C 0.00086 J
P–93D <0.001
P–58 290
P–66 0.01
P–75
P–114R <0.001
P–115
T–24 0.04
P–70 0.12*
P–61 1.28*
T–6
R–77 W–77
R–78 W–78
R–79 W–79
R–80 W–80
R–81 W–81
R–89 W–89
A–34
A–33
A–28
A–27
A–22
F–76
F–77
F–78
F–73
F–74
F–75

0.1
0.01
0.005
0.05
0.5
5
50
500

0 200
SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60771235
AECOM		
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Roxana Dissolved Phase Benzene Concentrations in Groundwater Fourth Quarter 2025	FIG. NO. 12



NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 3Q25 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JULY 1–3, 2025.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
4. MONITORING WELLS SHOWN ON THE KEY MAP ARE PROJECTED ONTO THIS CROSS-SECTION TO DISPLAY CONCENTRATION DATA.
5. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (E.G. <0.001 mg/L)
6. J = THE RESULT IS ESTIMATED
7. MULTIPLE RESULTS (E.G. 1.7 / 1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES

KEYMAP
NOT TO SCALE

0 10
VERTICAL SCALE FEET

0 100
APPROXIMATE HORIZONTAL SCALE FEET

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

PROJECT NO. 60771235

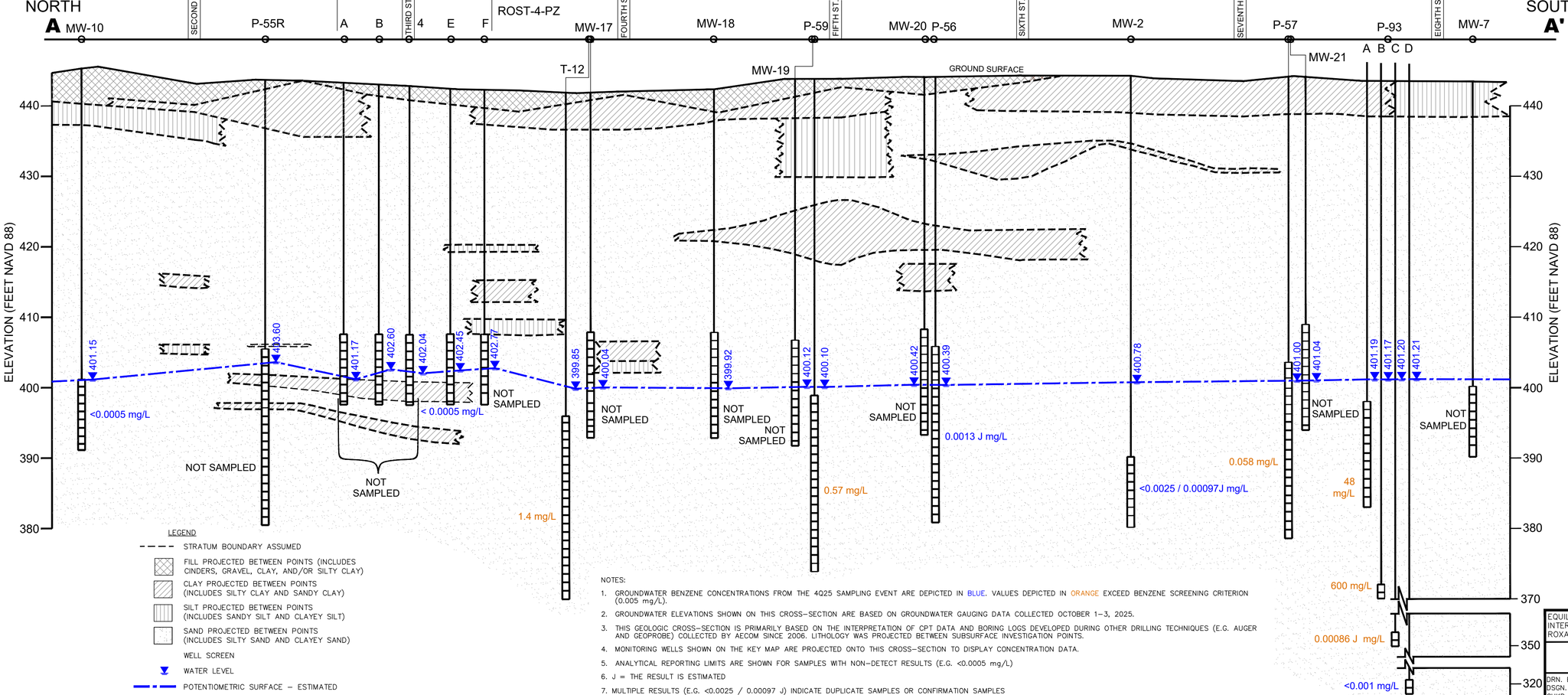
AECOM

DRN. BY:EC February 2026
DSGN. BY: mr
CHKD. BY: bh

Cross Section of Benzene Concentrations in Groundwater – Chaffer Avenue Third Quarter 2025

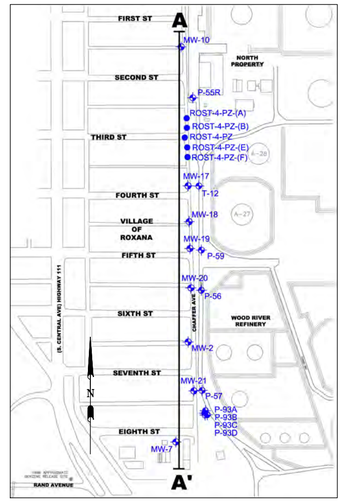
FIG. NO. 13

File: C:\USERS\ALEXANDER.EMMETT\DESKTOP\WORK\COMMENCE STONE - SHELL\ILLINOIS\LGP70668 800 S. CENTRAL AVE, ROXANA\ROXA_CHAPTER 13 CHAFFER AVE. CROSS SECTION_GP_DM_REVISED_2025.DWG Last edited: Feb. 03, 26 @ 4:44 PM by: alexander.emmett



NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 4Q25 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED OCTOBER 1–3, 2025.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
4. MONITORING WELLS SHOWN ON THE KEY MAP ARE PROJECTED ONTO THIS CROSS-SECTION TO DISPLAY CONCENTRATION DATA.
5. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (E.G. <0.0005 mg/L)
6. J = THE RESULT IS ESTIMATED
7. MULTIPLE RESULTS (E.G. <0.0025 / 0.00097 J) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES



KEYMAP
NOT TO SCALE

0 10
VERTICAL SCALE FEET

0 100
APPROXIMATE HORIZONTAL SCALE FEET

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

PROJECT NO. 60771235

AECOM

DRN. BY: EC February 2026
DSGN. BY: mr
CHKD. BY: bh

Cross Section of Benzene Concentrations in Groundwater – Chaffer Avenue Fourth Quarter 2025

FIG. NO. 14

File: C:\USERS\ALEXANDER\DESKTOP\CURRENT\WORK\COMMENCE STORE - SHELL\LAWSON\LAYOUT\MAP 800 S. CENTRAL AVE, ROXANA\SOIL CHAPTER AVE. CROSS SECTION OF GW BENZENE 4Q25.DWG Last edited: Feb. 03, 26 @ 4:45 PM by: alexander.bond

CROSS SECTION LINE - SOME FEATURES HAVE BEEN PROJECTED

WEST B — B' EAST

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

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

GROUND SURFACE

ELEVATION FEET NAVD 88

440 420 400 380 360 340 320 300

401.23 401.21 401.24 401.28

<0.001 mg/L

<0.001 / <0.001 mg/L

<0.001 mg/L

<0.001 mg/L

NOT SAMPLED

400.29 400.26 400.54 400.33

56 mg/L

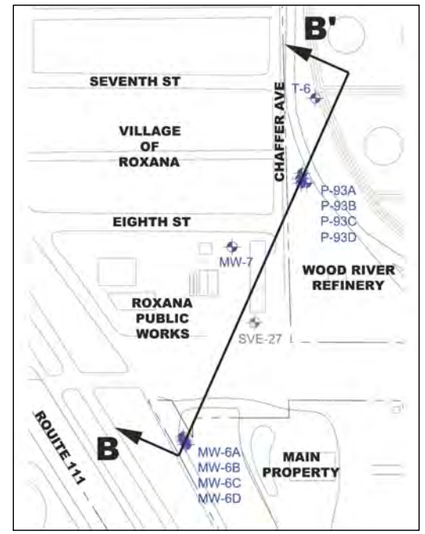
930 mg/L

1.7 / 1.9 mg/L

NOT SAMPLED

400.03

<0.001 mg/L



KEYMAP
NOT TO SCALE

LEGEND

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

VERTICAL SCALE 0 20 FEET

HORIZONTAL SCALE 0 100 FEET

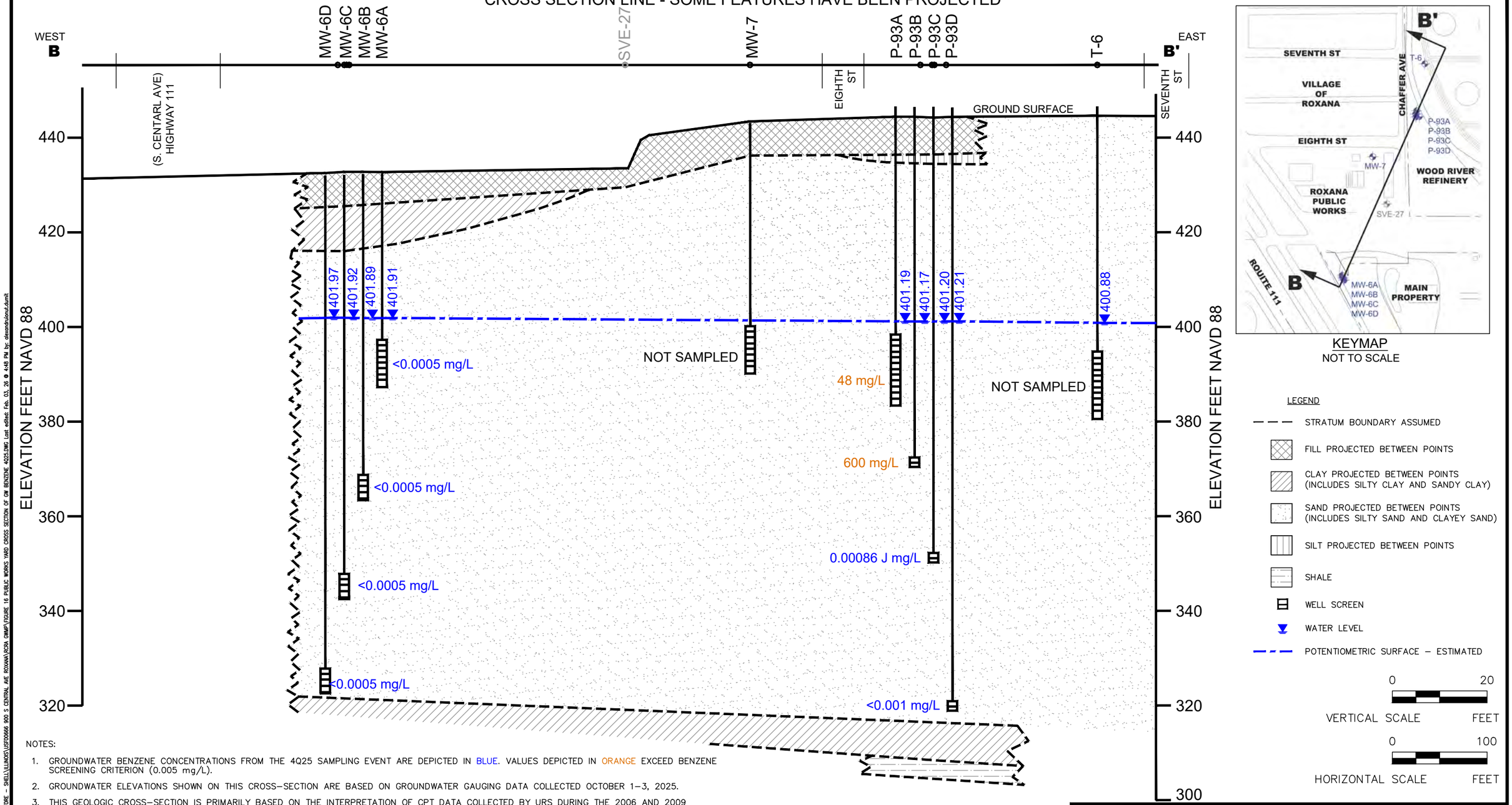
NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 3Q25 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JULY 1–3, 2025.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA COLLECTED BY URS DURING THE 2006 AND 2009 INVESTIGATION ACTIVITIES. BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) WERE USED TO SUPPLEMENT CPT DATA.
4. THE DEPTH AND THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE BASED ON CPT LOGS GENERATED AT NEARBY LOCATIONS. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOWER/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. LITHOLOGICAL INFORMATION FROM SVE-27 WAS OBTAINED FROM BORING LOG TO SUPPLEMENT SITE GEOLOGY ONLY.
6. HISTORIC BORING LOG IS NOT AVAILABLE FOR T-6.
7. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g. <0.001 mg/L)
8. MULTIPLE RESULTS (e.g. 1.7 / 1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY ROXANA, ILLINOIS		PROJECT NO. 60771235
AECOM		
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Cross Section of Benzene Concentrations in Groundwater – Roxana Public Works Yard Third Quarter 2025	FIG. NO. 15

File: C:\USERS\ALEXANDRIA\NT.DOMAIN\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\570868 800 S CENTRAL AVE ROXANA\ROXA GWMP\FIGURE 15 PUBLIC WORKS YARD CROSS SECTION OF GW BENZENE 3Q25.DWG Last edited: Feb. 03, 26 @ 4:45 PM by: alexandria.bond.dom1

CROSS SECTION LINE - SOME FEATURES HAVE BEEN PROJECTED



KEYMAP
NOT TO SCALE

LEGEND

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

VERTICAL SCALE 0 20 FEET

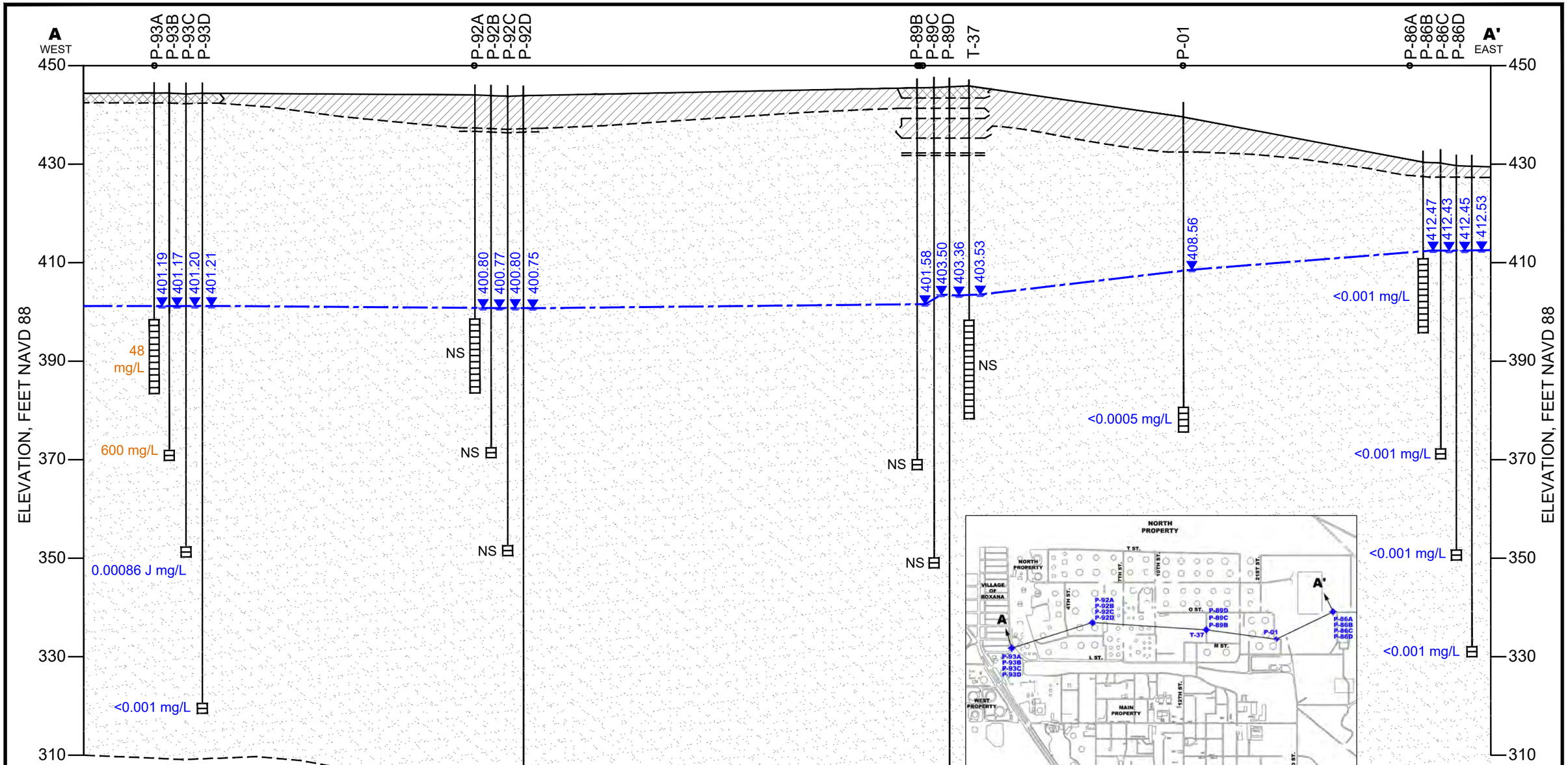
HORIZONTAL SCALE 0 100 FEET

NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 4Q25 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS–SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED OCTOBER 1–3, 2025.
3. THIS GEOLOGIC CROSS–SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA COLLECTED BY URS DURING THE 2006 AND 2009 INVESTIGATION ACTIVITIES. BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) WERE USED TO SUPPLEMENT CPT DATA.
4. THE DEPTH AND THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE BASED ON CPT LOGS GENERATED AT NEARBY LOCATIONS. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOWER/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. LITHOLOGICAL INFORMATION FROM SVE–27 WAS OBTAINED FROM BORING LOG TO SUPPLEMENT SITE GEOLOGY ONLY.
6. HISTORIC BORING LOG IS NOT AVAILABLE FOR T–6.
7. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON–DETECT RESULTS (e.g. <0.0005 mg/L)
8. J = THE RESULT IS ESTIMATED.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY AND INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:bh	Cross Section of Benzene Concentrations in Groundwater – Roxana Public Works Yard Fourth Quarter 2025
	FIG. NO. 16

File: C:\USERS\ALEXANDRIUNIT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\US70866 800 S CENTRAL AVE ROXANA\ROXA GWMP\FIGURE 16 PUBLIC WORKS YARD CROSS SECTION OF GW BENZENE 4Q25.DWG Last edited: Feb. 03, 26 @ 4:48 PM by: alexandriunit.dumit



KEYMAP
NOT TO SCALE

NOTES:
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE FOURTH QUARTER 2025 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L). NS DENOTES "NOT SAMPLED".
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED OCTOBER 1-3, 2025.
3. THIS CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF LIMITED HISTORICAL SITE INFORMATION AND DEPICTS GENERALIZED STRATIGRAPHY.
4. THE DEPTH AND THE THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE ESTIMATED OR BASED ON PROFESSIONAL JUDGEMENT. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOW/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. THE SAND STRATA CONSISTS OF LIMITED AREAS OF SEAMS OF INTERBEDDED CLAY AND SILTS WITH OCCASIONAL GRAVEL AND COAL. GRAVEL AND OCCASIONAL SHALE WERE OBSERVED ABOVE THE LIMESTONE AT DEPTH.
6. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (E.G., <0.0005 mg/L).
7. J = The RESULT IS ESTIMATED.

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

0 20
VERTICAL SCALE FEET

0 600
HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
RCRA GROUNDWATER MONITORING PROGRAM
WRB REFINING LP - WOOD RIVER REFINERY
ROXANA, ILLINOIS

PROJECT NO. 60771235

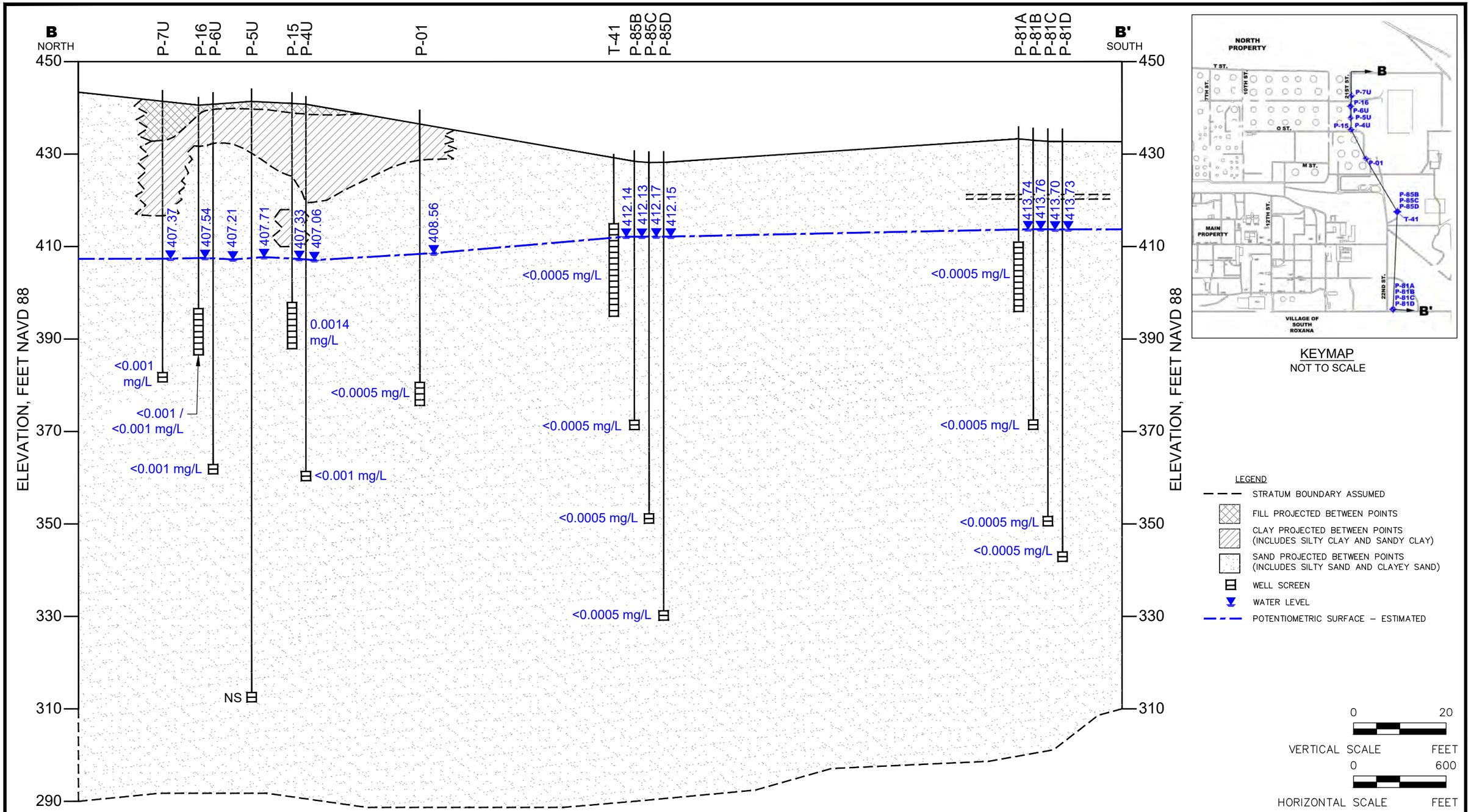
AECOM

DRN. BY:EC February 2026
DSGN. BY:mar
CHKD. BY:wmp

Cross Section of Benzene Concentrations in Groundwater A-A' Fourth Quarter 2025

FIG. NO. 17

File: C:\Users\Alexandrulonut.Dumit\AECOM\Convenience Store - Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 17 Cross Section A-A' of GW Benzene 4Q25.dwg, by Dumitru, Ionut on 2/3/26



KEYMAP
NOT TO SCALE

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

0 20
VERTICAL SCALE FEET
0 600
HORIZONTAL SCALE FEET

NOTES:
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE FOURTH QUARTER 2025 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L). NS DENOTES "NOT SAMPLED".
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED OCTOBER 1-3, 2025.
3. THIS CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF LIMITED HISTORICAL SITE INFORMATION AND DEPICTS GENERALIZED STRATIGRAPHY.
4. THE DEPTH AND THE THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE ESTIMATED OR BASED ON PROFESSIONAL JUDGEMENT. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOW/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. THE SAND STRATA CONSISTS OF LIMITED AREAS OF SEAMS OF INTERBEDDED CLAY AND SILTS WITH OCCASIONAL GRAVEL AND COAL. GRAVEL AND OCCASIONAL SHALE WERE OBSERVED ABOVE THE LIMESTONE AT DEPTH.
6. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (E.G., <0.0005 mg/L).

MULTIPLE RESULTS (e.g., <0.001 / <0.001) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mar CHKD. BY:wmp	Cross Section of Benzene Concentrations in Groundwater B–B' Fourth Quarter 2025
	FIG. NO. 18

File: C:\Users\Alexandrulonut.Dumit\AECOM\Convenience Store – Shell\Illinois\USF00666 900 S Central Ave Roxana\RCRA GWMP\Figure 18 Cross Section B–B' of GW Benzene 4Q25.dwg, by Dumitru, Ionut on 2/3/26

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\RCRA GWMP\FIGURE 19 OFF-SITE ADDRESSES WITHIN VILLAGE OF ROXANA.DWG Last edited: Feb. 11, 26 @ 1:49 PM by: alexandruionut.dumit

LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- * ROXANA INTERIM GROUNDWATER MONITORING WELL SAMPLING LOCATION
- WRR OIL RECOVERY WELL
- WRR GROUNDWATER PRODUCTION WELL
- VAPOR MONITORING POINT (VMP) LOCATION
- GMZ BOUNDARY
- 122 HOUSE NUMBER (ADDRESS)

NOTE

THE GMZ BOUNDARY INDICATED ON THIS FIGURE IS BASED ON THE AUGUST 20, 2025 MODIFIED RCRA PART B PERMIT ISSUED BY ILLINOIS EPA (LOG B–43R).

E FIRST ST
E SECOND ST
E THIRD ST
E FOURTH ST
E FIFTH ST
E SIXTH ST
E SEVENTH ST
E EIGHTH ST
W THIRD ST
W FOURTH ST
W FIFTH ST
W SIXTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
2ND STREET
1ST STREET
VILLAGE OF ROXANA
PARK
STAMPER AUTO SALES
FORMER POST OFFICE
FORMER VILLAGE HALL
ROXANA AUTO SALES
ANDY HANNEKEN AUTO REPAIR
BP
FORMER GAS STATION; UNOCCUPIED BUSINESS
1986 APPROXIMATE BENZENE RELEASE SITE
RAND AVENUE
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE
FORMER ROXANA PUBLIC WORKS
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
GARAGE ONLY

MW–1* MW–2* MW–3* MW–4* MW–5* MW–6A* MW–6B* MW–6C* MW–6D* MW–7* MW–9* MW–10* MW–11* MW–12* MW–13* MW–14* MW–16* MW–17 MW–18 MW–19 MW–20 MW–21 MW–22* MW–23* MW–24* MW–25* MW–26* MW–27* MW–28*
ROST–3–MW* ROST–4–PZ(A) ROST–4–PZ(B) ROST–4–PZ(C)* ROST–4–PZ(D)* ROST–4–PZ ROST–4–PZ(E) ROST–4–PZ(F) ROST–4–PZ(G)*
P–54* P–55R* P–56* P–57* P–58* P–59* P–60 P–60–S P–60–11 P–61 P–66* P–68* P–69 P–70 P–73 P–74* P–75 P–93A* P–93B* P–93C* P–93D* P–114R* P–115 P–119
T–1 T–6 T–12* T–24
VMP–1 VMP–2 VMP–3 VMP–4 VMP–5 VMP–6 VMP–7 VMP–8 VMP–9 VMP–10 VMP–11 VMP–12 VMP–13 VMP–14 VMP–15 VMP–16 VMP–17 VMP–18 VMP–19 VMP–20 VMP–21 VMP–22 VMP–23 VMP–24 VMP–25 VMP–26 VMP–27 VMP–28 VMP–32 VMP–33 VMP–34 VMP–35 VMP–36 VMP–37 VMP–38 VMP–39 VMP–41 VMP–42 VMP–43 VMP–44 VMP–45 VMP–46 VMP–47 VMP–48 VMP–49 VMP–50 VMP–51 VMP–52 VMP–53 VMP–54 VMP–55 VMP–56 VMP–57 VMP–58 VMP–59 VMP–60 VMP–62 VMP–63 VMP–65
R–77 W–77 R–78 W–78 R–79 W–79 R–80 W–80 R–81 W–81 R–89 W–89 W–92
A–27 A–28 A–31 A–32 A–33 A–34 A–22 F–73 F–74 F–75 F–76 F–77 F–78

0 200 SCALE FEET N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US RCRA GROUNDWATER MONITORING PROGRAM WRB REFINING LP – WOOD RIVER REFINERY ROXANA, ILLINOIS	PROJECT NO. 60771235
AECOM	
DRN. BY:EC February 2026 DSGN. BY:mr CHKD. BY:wmp	Off–Site Addresses within Village of Roxana
	FIG. NO. 19

Appendix A

Appendix A – 1 WRR Agency Correspondence History

Appendix A – 2 Roxana Regulatory History

Appendix A-1

WRR Agency Correspondence History

The bulleted list below summarizes Permit-related correspondence which has not yet been addressed between AECOM, on behalf of Shell, and the IEPA prior to this semi-annual reporting period (July 2025 through December 2025).

- On October 26, 2015, AECOM, on behalf of Shell, responded to Comment 1(c) and Condition IV(F)(8) of the IEPA July 29, 2015 permit modification response letter. A *Riverfront Property Delineation Investigation Work Plan* was submitted, which proposed investigation activities to delineate the extent of groundwater impact detected at well P-51 on the WRR Riverfront Property (B-43R-M-14) (AECOM, 2015b).
- On April 18, 2016, AECOM, on behalf of Shell, responded to Condition 2 of the IEPA December 21, 2015 groundwater modeling conditions and modifications letter (IEPA, 2015b). *A Light Non-Aqueous Phase Liquid (LNAPL) Recovery System Evaluation Work Plan* was submitted, which proposed evaluation activities for the WRR LNAPL recovery system (B-43R-CA-34 and -43) (AECOM, 2016a).
- On January 18, 2017, IEPA issued comments related to the previously performed groundwater profile delineation investigation and Public Works Yard soil sampling investigation results (IEPA, 2017a). This letter requested a comprehensive soil and groundwater sampling and analysis report be submitted and include a proposal for additional soil and groundwater sampling to further delineate contamination in the northwestern portion of the Main Property and the Public Works Yard. As requested, a letter and *Comprehensive Soil and Groundwater Sampling and Analysis Report* was submitted on April 21, 2017 (B-43R-CA-59, -60, -69) (AECOM, 2017). This submittal presented comprehensive soil and groundwater data in the subject areas, including newer data collected since the originally commented on investigations, and concluded that delineation has been achieved in the subject areas.
- On October 12, 2020, AECOM, on behalf of Shell, requested a Class 1* Permit Modification in response to an IEPA issued letter dated December 20, 2019 (B-43R-M-29) (AECOM, 2020b). The December 20, 2019 letter issued approval and comments related to several Hazardous Waste Management Post-Closure Permit Modifications requests and included a modified Permit. The letter included a condition requesting the installation of a new B-level groundwater monitoring well to be added to the Roxana Interim Groundwater Monitoring Program to intercept potential groundwater contamination observed at P-93B. The October 12th AECOM response indicated the B-level impact observed in P-93B has been delineated to the west and, therefore the installation of a new groundwater monitoring well does not appear to be necessary at this time and as such is not proposed. In the modified permit received on August 20, 2025, the IEPA did not concur with AECOM's response, stating a new well 293B continues to be necessary.
- On November 8, 2023, IEPA issued a Violation Notice (VN L-2023-00370), in response to the triennial site inspection performed in July 2023. The alleged violations included in this violation notice were related to monitoring well labels and construction. A meeting was held between AECOM, Shell, and IEPA on January 4, 2024. A request for extension to submit a response to the Violation Notice was submitted to IEPA on January 15, 2024, and was approved by IEPA in an email dated January 24, 2024. AECOM, on behalf of Shell, submitted a Response to Violation Notice L-2023-00370 on February 16, 2024. IEPA issued a Proposed Compliance Commitment Agreement (CCA), dated March 21, 2024. The Proposed CCA was signed and accepted by Shell; IEPA issued the Executed CCA on April 29, 2024. The Class 1* Permit Modification Request required by the executed CCA was submitted to IEPA on March 28, 2024.

Appendix A-2

Roxana Regulatory History

The Interim Groundwater Monitoring Program (Program) began in the 4th Quarter 2010 (4Q10), and the first report was submitted on January 14, 2011. On March 3, 2011, a conference call was held among representatives of Equilon Enterprises LLC d/b/a Shell Oil Products US (SOPUS), Illinois Environmental Protection Agency (IEPA), and URS Corporation (URS) to discuss the Program and IEPA's general comments on the 4Q10 report. Subsequent report modifications were incorporated during 1st Quarter 2011 (1Q11) and 2nd Quarter 2011 (2Q11). Additional items and comments regarding the Program were presented by IEPA on June 16, 2011 (CA-1, -3, -5, -6, -7, -8, -10, and -11) (IEPA, 2011a) and August 31, 2011 (CA-21) (IEPA, 2011b) letters. These items and comments were addressed in the 3rd Quarter 2011 (3Q11) and 4th Quarter 2011 (4Q11) reports.

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

In a second letter (CA-25) dated March 14, 2012, from IEPA to SOPUS (IEPA, 2012b), IEPA requested that perched groundwater be evaluated at groundwater monitoring piezometers P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ. These perched groundwater monitoring piezometers were incorporated into the Program beginning in 2Q12. In a letter dated August 16, 2013 (URS, 2013a), URS, on behalf of SOPUS, informed the IEPA of the determination that the perched groundwater monitoring piezometers are either dry, based on the criteria given in IEPA's March 14, 2012 letter, or not able to be sampled per the groundwater sampling standard operating procedure (SOP) due to slow recharge. The IEPA, during phone conversations, requested that certain piezometers remain in the Program. In response to this request, a letter dated January 14, 2014, was submitted to IEPA (URS, 2014a), stating that these piezometers will remain in the Program. A separate letter dated January 14, 2014 was submitted to the IEPA (URS, 2014b), requesting removal of ROST-5-PZ and ROST-10-PZ based on Condition 8(a) of the March 14, 2012 IEPA letter (CA-25), which states that ROST-5-PZ and ROST-10-PZ must remain within the Program for one year before the determination is made that these wells are dry. IEPA responded to the August 16, 2013 and both January 14, 2014 letters in a correspondence (CA-67) dated July 27, 2016 (IEPA, 2016a). In the July 27, 2016 letter, IEPA approved the request to abandon perched wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ and remove them from the Program. Abandonment activities were conducted on September 15, 2016.

In the March 14, 2012 letter (CA-25), IEPA also requested the installation of groundwater monitoring wells in the Village of Roxana (Village) to evaluate potential light non-aqueous phase liquid (LNAPL). These groundwater monitoring wells (MW-16 through MW-22 and MW-24) were installed during 4th Quarter 2012 (4Q12) and incorporated into the Program beginning in 1st Quarter 2013 (1Q13). In a letter (CA-37 and -58) dated May 22, 2015, IEPA provided approval for the April 3, 2013 *Groundwater Monitoring Well and Vapor Monitoring Point Installation Report* (IEPA, 2015a).

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

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

In an April 8, 2013 letter (CA-38 and -41) from IEPA to SOPUS (IEPA, 2013a), IEPA requested a discussion of irregular potentiometric contours in the ROST-4-PZ area and P-60 area wells. This response was submitted to the

IEPA in a letter dated July 29, 2013 (URS, 2013b). In a letter dated July 27, 2016 (CA-63) (IEPA, 2016b), IEPA approved the July 29, 2013 letter with the following conditions and modifications:

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

AECOM responded to the July 27, 2016 letter in a letter dated October 14, 2016 (AECOM, 2016b). On March 11, 2024, a replacement RCRA form with wet signatures was submitted to IEPA (AECOM, 2024d). In a letter (M-32, -44, -53, and CA-93) dated August 20, 2025 (IEPA, 2025b), IEPA approved with conditions the July 27, 2016 letter, with additional actions necessary to finalize approval of the off-site portion of the GMZ.

In a July 18, 2013 letter (CA-33, -45, and -48) from IEPA to SOPUS (IEPA, 2013b), IEPA approved a change in gauging frequencies for wells in the Program. The list of wells to be gauged on a weekly basis was reduced and a new list of wells to be gauged on a monthly basis was initiated. This letter also requested that any free-phase hydrocarbon (FPH) and photoionization detector (PID) data collected at the well heads be included in the quarterly groundwater monitoring reports. The modified gauging frequencies for wells began the week of July 22, 2013. The list of wells gauged during each routine event is reviewed on a regular basis and modified to meet the conditions requested by the IEPA. The additional reporting requirements were first incorporated in the 3rd Quarter 2013 (3Q13) report.

In a June 13, 2014 letter (M-9 through -13, and -15) from IEPA to SOPUS (IEPA, 2014a), IEPA requested the installation of four groundwater monitoring wells in the Village to monitor the extent and effectiveness of corrective action efforts within the residential area. The access agreement with the Village was signed on August 12, 2014, and well installation began in September 2014 and was completed in October 2014. These groundwater monitoring wells (MW-25 through MW-28) were added to the Program in 4th Quarter 2014 (4Q14).

In an October 9, 2014 letter (CA-47) from IEPA to SOPUS (IEPA, 2014b), IEPA approved the installation plan for a groundwater monitoring well located on BP property with certain conditions and modifications. Well MW-23 was installed during January 2015 and was added to the Program in 1st Quarter 2015 (1Q15).

In a letter (CA-70) dated November 25, 2014 (IEPA, 2014c), IEPA approved the proposed plan for groundwater corrective action (submitted to IEPA on November 14, 2013 (URS, 2013c)), with the following conditions:

- The 1Q15 groundwater samples obtained from: (1) the current monitoring well network; (2) the four new wells required by the modified Resource Conservation and Recovery Act (RCRA) Hazardous Waste Management Post-Closure Permit (Permit) at the WRR, issued September 23, 2010 (modified December 20, 2019) (IEPA, 2010b); and (3) the new well required by the October 9, 2014, letter must be used in a demonstration to verify the extent of groundwater contamination has been delineated; or
- If SOPUS cannot define the extent of contamination, a proposal for additional investigation must be submitted.

On December 5, 2014, a letter was submitted to IEPA by URS (URS, 2014c), on behalf of SOPUS, requesting a reduction in the routine gauging performed as part of the Program. In a letter (CA-83) dated August 2, 2017 (IEPA, 2017b), IEPA approved the December 5, 2014 request to reduce the frequency of routine gauging from weekly/monthly to quarterly with the following condition:

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

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

On October 25, 2019, IEPA approved via email the Roxana Groundwater Ordinance 867 for use as an institutional control in accordance with Title 35 of the Illinois Administrative Code Part 742 (35 IAC 742) to restrict access to groundwater (IEPA, 2019b).

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

On October 12, 2020, AECOM, on behalf of SOPUS, requested a Class 1* Permit Modification (AECOM, 2020c) in response to an IEPA issued letter dated December 20, 2019 (M-21, -26 through -30, -35, -36, and -38) (IEPA, 2019c). The December 20, 2019 letter issued approval and comments related to several Hazardous Waste Management Post-Closure Permit (Permit) Modifications requests and included a modified Permit. The letter included a condition requesting the installation of a new B-level groundwater monitoring well to be added to the Roxana Interim Groundwater Monitoring Program to intercept potential groundwater contamination observed at P-93B. The October 12th AECOM response indicated the B-level impact observed in P-93B has been delineated to the west and, therefore, the installation of a new groundwater monitoring well does not appear to be necessary at this time and as such is not proposed. In the letter dated August 20, 2025 (M-32, -44, -53, and CA-93) (IEPA, 2025b), IEPA determined that new well 293B continues to be necessary, supported by the conditions of a January 26, 2024 letter (CA-113, -114, -115) (IEPA, 2024a) which requires delineation to the southwest, south, and southeast of the SEE system area.

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

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

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

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

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

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

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

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

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

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

Historical References

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Illinois Environmental Protection Agency, 2010 (IEPA, 2010b); *Hazardous Waste Management RCRA Post-Closure Permit.* Issued to Shell Oil Products US (Shell) at the WRB Refining LP Wood River Refinery (WRB WRR), issued September 23, 2010; effective October 28, 2010; modified April 2, 2013; modified June 13, 2014; modified November 25, 2014; modified July 29, 2015; modified December 20, 2019; modified March 28, 2022; modified October 31, 2022; modified August 20, 2025 (reissuance of July 8, 2025 modification).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B

Appendix B – 1 Low Flow Groundwater Sampling Data Sheets – Third Quarter 2025

Appendix B – 2 Low Flow Groundwater Sampling Data Sheets – Fourth Quarter 2025

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 | WEATHER: 81° Sunny

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 53.80 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 59.13 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.72 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 48.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 16.41 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1025	42.74	clear	none	20.80	0.975	1.085 mS/cm uS/cm	6.70	117.51	15.14
300	1026	42.74	↓	↓	20.75	0.962	1.085 mS/cm uS/cm	6.71	115.94	16.13
600	1027	42.74	↓	↓	20.71	0.944	1.086 mS/cm uS/cm	6.71	113.89	17.43
900	1028	↓	↓	↓	20.73	0.915	1.087 mS/cm uS/cm	6.71	110.86	16.34
1200	1029	↓	↓	↓	20.80	0.892	1.088 mS/cm uS/cm	6.71	108.21	17.56
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SMSM 070825

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ Initials: SMSM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/15/25 WEATHER: 82° Cloudy

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 54.87 ft btoc
Total Well Depth (btoc): 60.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 44.05 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 49.87 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	Volume of Flow Through Cell: 320* mL
Water Column Height (not including NAPL): 16.15 ft	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
	Ambient PID/FID Reading: 0.0 ppm
	Wellbore PID/FID Reading: 175.2 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

SMS 071525

Start Time: 1021 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 56109/21924?

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

SAMPLING DATA

Sample Date: SMS Sample Time: 1030 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: 7/15/25

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: Sunny 82°F

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.84 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 29.65 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.67 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 15.35 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

TJ 7/8/25

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

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

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1100 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 50.06 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 55.39 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 40.93 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 45.06 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 14.46 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0820	40.96	clear	mod HC	20.6	0.92	0.929 mS/cm uS/cm	6.69	-25.29	7.27
300	0821	40.96			20.7	0.80	0.928 mS/cm uS/cm	6.71	-44.19	6.45
600	0822	40.96			20.6	0.71	0.927 mS/cm uS/cm	6.73	-57.84	5.37
900	0823	↓			20.5	0.63	0.924 mS/cm uS/cm	6.75	-69.14	4.88
1200	0824				20.5	0.58	0.922 mS/cm uS/cm	6.76	-77.07	5.89
1500	0825				20.5	0.54	0.920 mS/cm uS/cm	6.77	-83.87	4.76
1800	0826				20.8	0.51	0.918 mS/cm uS/cm	6.77	-89.14	3.30
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

MM 7/15/25

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

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

SAMPLING DATA

Sample Date: 7/15/25 Sample Time: 0830 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace? Y Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: Sunny 82°F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.14 ft btoc
Total Well Depth (btoc): 44.30 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 29.20 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 33.97 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.1 ft	

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm		+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1201	29.23	clear	slight	22.4	1.90	1.233	mS/cm uS/cm	6.72	-104.5	0.00
2100	1208	29.25	↓	↓	21.9	0.43	1.214	mS/cm uS/cm	6.67	-136.6	0.00
2400	1209	29.25			21.7	0.40	1.213	mS/cm uS/cm	6.67	-137.3	0.00
2700	1210	29.23			21.6	0.38	1.210	mS/cm uS/cm	6.67	-138.2	0.00
3000	1211	29.23			21.8	0.34	1.208	mS/cm uS/cm	6.67	-139.2	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TJ			mS/cm uS/cm			
					7/8/25			mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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								mS/cm uS/cm			

Start Time: 1201 Elapsed Time (min): 10 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/21C765

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

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1215 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: 88° Sunny

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.85 ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 44.18 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 31.09 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 33.85 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 13.09 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1233	31.11	clear	slight	21.94	0.878	0.758 mS/cm uS/cm	6.70	-127.98	13.79
300	1234	31.11	↓	↓	21.79	0.855	0.754 mS/cm uS/cm	6.78	-129.71	14.34
600	1235	31.11			21.82	0.821	0.760 mS/cm uS/cm	6.78	-132.18	15.40
900	1236	↓			21.83	0.792	0.762 mS/cm uS/cm	6.78	-134.39	15.58
1200	1237				21.87	0.776	0.763 mS/cm uS/cm	6.79	-135.70	16.33
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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SMcM 070825

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace (Y) Initials: SMcM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: 91° Cloudy

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 66.05 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 68.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 31.12 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 63.55 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 5 ft			
Water Column Height (not including NAPL): 37.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1310	31.14	clear	slight	22.15	1.008	0.643 mS/cm uS/cm	7.07	-108.41	0
300	1311	31.14	↓	↓	22.83	0.973	0.647 mS/cm uS/cm	7.07	-109.88	0
600	1312	31.14	↓	↓	22.49	0.953	0.654 mS/cm uS/cm	7.06	-111.76	0
900	1313	↓	↓	↓	21.85	0.946	0.654 mS/cm uS/cm	7.07	-113.71	0
1200	1314	↓	↓	↓	21.66	0.919	0.651 mS/cm uS/cm	7.07	-115.65	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

SMSM 070825

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace (Y) Initials: SMSM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/9/25 WEATHER: 73° Overcast

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 86.77 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 89.60 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 30.91 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 84.27 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 5 ft			
Water Column Height (not including NAPL): 58.69 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0901	30.96	clear	slight	19.62	1.023	0.764 mS/cm uS/cm	6.80	-25.06	0.863
300	0902	30.96	↓	↓	19.62	0.998	0.766 mS/cm uS/cm	6.82	-31.98	0.596
600	0903	30.96	↓	↓	19.57	0.963	0.767 mS/cm uS/cm	6.83	-43.66	0
900	0904	↓	↓	↓	19.58	0.927	0.769 mS/cm uS/cm	6.84	-53.82	0
1200	0905	↓	↓	↓	19.56	0.913	0.770 mS/cm uS/cm	6.85	-58.25	0
1500	0906	↓	↓	↓	19.56	0.917	0.770 mS/cm uS/cm	6.85	-57.42	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SMSm 070925

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ Initials: SMSm

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/9/25 WEATHER: 73° Overcast

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 106.67 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 109.50 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 30.74 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 104.17 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 5 ft			
Water Column Height (not including NAPL): 78.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0950	30.77	clear	none	19.90	0.984	0.920 mS/cm uS/cm	7.00	-108.10	2.082
300	0951	30.77	↓	↓	19.95	0.957	0.922 mS/cm uS/cm	7.00	-110.54	1.496
600	0952	30.77	↓	↓	19.95	0.926	0.925 mS/cm uS/cm	7.01	-113.35	1.096
900	0953	↓	↓	↓	19.84	0.901	0.924 mS/cm uS/cm	7.01	-115.70	0.765
1200	0954	↓	↓	↓	19.81	0.877	0.928 mS/cm uS/cm	7.01	-117.88	0.325
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SMcLean 070925

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

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

SAMPLING DATA

Sample Date: 7/9/25 Sample Time: 0955 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] Initials: SMcLean

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

MONITORING WELL ID: MW-7 SAMPLE ID: —

INITIAL DATA

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

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

NOT sampled due to operation of PPMV SVE system

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 WEATHER: Cloudy, 82°F

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

INITIAL DATA

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

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
STABLE: (over 4 readings)					Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0952	44.92	clear	none	20.84	3.046	0.910 mS/cm uS/cm	6.41	104.81	1.34
1200	0956	44.92	↓	↓	20.26	0.706	0.913 mS/cm uS/cm	6.64	-72.40	0.88
1500	0957	44.92			20.29	0.618	0.911 mS/cm uS/cm	6.66	-79.27	0.98
1800	0958	44.92			20.30	0.548	0.910 mS/cm uS/cm	6.67	-84.82	1.12
2100	0959	44.92			20.31	0.511	0.909 mS/cm uS/cm	6.68	-88.03	1.82
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

TJ 7/7/25

Start Time: 0952 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804612107 65

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

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1005 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 | WEATHER: Cloudy, 82°F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 54.22 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 49.51 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.89 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.42 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1105	44.82	clear	none	21.09	2.63	1.665	mS/cm uS/cm	6.74	-69.65	28.53
900	1168	44.80	↓	↓	19.99	0.69	1.688	mS/cm uS/cm	6.84	-109.26	17.07
1200	1109	44.80			20.15	0.56	1.702	mS/cm uS/cm	6.85	-115.03	15.46
1500	1110	44.81			20.19	0.50	1.713	mS/cm uS/cm	6.85	-118.07	15.22
1800	1111	44.81			20.30	0.46	1.722	mS/cm uS/cm	6.85	-120.28	15.39
2100	1112	44.80			20.32	0.40	1.736	mS/cm uS/cm	6.85	-122.98	15.29
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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7/7/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 WEATHER: 82° Sunny

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-ROX-070725-(EB)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 51.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.91 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 47.27 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NF ft		
Depth to Top of Screen (btoc): 41.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.12 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1010	42.73	light brown	none	21.04	1.045	1.370 mS/cm uS/cm	6.70	-99.78	44.63
300	1011	42.73	↓	↓	20.87	1.020	1.365 mS/cm uS/cm	6.70	-100.62	39.57
600	1012	42.73			20.76	1.006	1.360 mS/cm uS/cm	6.71	-101.05	38.29
900	1013	↓			20.73	0.988	1.356 mS/cm uS/cm	6.71	-101.48	35.09
1200	1014				20.80	0.969	1.350 mS/cm uS/cm	6.71	-101.77	34.95
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

3 1-57 070725

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ Initials: SMSm

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 WEATHER: 93°Sunny

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc
Total Well Depth (btoc): 51.74 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 47.17 ft btoc
Depth to Water (btoc): 42.60 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 41.41 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 9.14 ft	

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond		pH	ORP (mV)	Turb (NTU)
0	1215	42.64	clear	none	21.68	1.258	0.717	mS/cm uS/cm	6.86	77.80	14.05
300	1216	42.64			21.61	1.232	0.716	mS/cm uS/cm	6.86	77.61	13.27
600	1217	42.64			21.43	1.197	0.713	mS/cm uS/cm	6.87	77.22	14.04
900	1218				21.07	1.163	0.708	mS/cm uS/cm	6.87	76.90	12.69
1200	1219				20.96	1.135	0.703	mS/cm uS/cm	6.88	76.53	12.10
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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								mS/cm uS/cm			

SM 8.1.m 070725

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ Initials: SMSM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 35.05 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 28.83 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 31.94 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 24.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 6.22 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1132	28.86	cloudy	moderate	22.42	1.306	1.171 mS/cm uS/cm	6.53	-81.40	14.88
300	1133	28.86	↓	↓	22.37	1.303	1.172 mS/cm uS/cm	6.53	-81.58	14.98
600	1134	28.86	↓	↓	22.27	1.277	1.172 mS/cm uS/cm	6.53	-82.32	13.09
900	1135	↓	↓	↓	22.21	1.25	1.173 mS/cm uS/cm	6.53	-83.10	11.36
1200	1136				22.13	1.228	1.173 mS/cm uS/cm	6.54	-83.83	9.733
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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070925

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace (Y) Initials: SMcL

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.42 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.42 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 33.07 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.42 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 206.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.35 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm		+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0936	33.09	clear	slight HC	20.5	1.29	1.297	mS/cm uS/cm	6.54	12.96	51.0
300	0937	33.09			22.9	1.20	1.290	mS/cm uS/cm	6.55	3.47	47.8
600	0938	33.09			22.2	1.14	1.284	mS/cm uS/cm	6.55	-5.49	43.7
900	0939				22.0	1.03	1.278	mS/cm uS/cm	6.56	-12.04	40.3
1200	0940				22.0	1.03	1.275	mS/cm uS/cm	6.56	-17.90	38.5
1500	0941				22.2	0.99	1.269	mS/cm uS/cm	6.56	-22.71	36.1
1800	0942				22.5	0.95	1.264	mS/cm uS/cm	6.56	-27.26	33.3
								mS/cm uS/cm			
								mS/cm uS/cm			
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MM 7/10/25

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

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

SAMPLING DATA

Sample Date: 7/10/25 Sample Time: 0945 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (✓) Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 | WEATHER: 82° Sunny

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 47.75 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.00 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 37.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 3.75 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 45.00 ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1101	44.08	clear	none	22.45	0.928	0.938 mS/cm uS/cm	6.83	-126.37	0.137
300	1102	44.08	↓	↓	22.43	0.919	0.938 mS/cm uS/cm	6.83	-126.44	0.368
600	1103	44.08	↓	↓	22.73	0.890	0.928 mS/cm uS/cm	6.83	-126.66	0.809
900	1104	↓	↓	↓	22.77	0.867	0.930 mS/cm uS/cm	6.82	-126.91	0
1200	1105	↓	↓	↓	22.82	0.848	0.927 mS/cm uS/cm	6.82	-127.13	0
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SMSM 070725

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

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

SAMPLING DATA

Sample Date: 7/7/25 | Sample Time: 1110 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ | Initials: SMSM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/15/25 | WEATHER: 82° Cloudy

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 48.48 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 45.53 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.23 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 5.90 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1327	42.83	clear	slight	21.16	0.986	1.031 mS/cm uS/cm	6.64	-93.88	18.61
300	1328	42.83	↓	↓	21.13	0.944	1.034 mS/cm uS/cm	6.64	-97.76	11.06
600	1329	42.83			21.27	0.890	1.036 mS/cm uS/cm	6.64	-99.78	9.782
900	1330	↓			21.33	0.854	1.037 mS/cm uS/cm	6.64	-101.19	12.82
1200	1331				21.46	0.819	1.039 mS/cm uS/cm	6.65	-102.86	13.97
							mS/cm uS/cm			
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071525

Start Time: 1327 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS - 50109/21947

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: Sunny 82°F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 39.27 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 30.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 34.93 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 29.02 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 8.69 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	0918	30.58	clear	slight	20.8	1.42	0.879 mS/cm uS/cm	6.31	-33.0	17.15
2400	0926	30.57	↓	↓	21.2	0.91	0.865 mS/cm uS/cm	6.42	-95.8	9.52
2700	0927	30.57			21.1	0.38	0.865 mS/cm uS/cm	6.42	-97.5	9.69
3000	0928	30.57			21.2	0.35	0.865 mS/cm uS/cm	6.43	-99.3	9.34
3300	0929	30.57			21.2	0.34	0.865 mS/cm uS/cm	6.43	-100.7	8.56
							mS/cm uS/cm			
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TJ 7/8/25

Start Time: 0918 Elapsed Time (min): 11 Water Quality Meter ID & SN: YSI ProDSS - 21804/6/10765

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/15/25 | WEATHER: 82° Cloudy

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc
Total Well Depth (btoc): 49.86 ft	
Depth to Water (btoc): 43.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.72 ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 39.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 6.28 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc

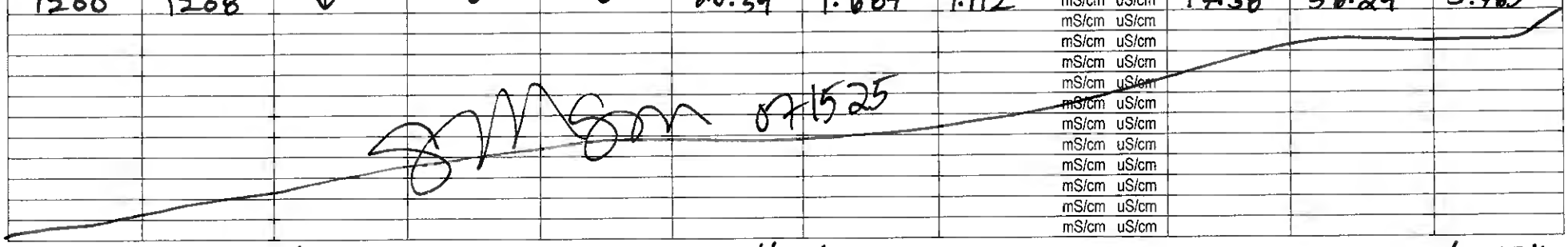
Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1204	43.62	Cloudy	NONE	20.61	1.756	1.113 mS/cm uS/cm	7.38	56.46	8.192
300	1205	43.62	↓	↓	20.59	1.722	1.113 mS/cm uS/cm	17.38	56.27	7.700
600	1206	43.62	↓	↓	20.59	1.690	1.113 mS/cm uS/cm	17.38	56.19	6.888
900	1207	↓	↓	↓	20.53	1.690	1.112 mS/cm uS/cm	17.38	56.35	6.471
1200	1208	↓	↓	↓	20.59	1.684	1.112 mS/cm uS/cm	17.38	56.24	5.465
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			



Start Time: 1204 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ | Initials:

COMMENTS:

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

* PH suspect*. Per PM recorded via paper *

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 45.84 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 41.86 ft btoc
Depth to Water (btoc): 37.87 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 35.59 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	Volume of Flow Through Cell: 320* mL
Water Column Height (not including NAPL): 7.97 ft	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
	Ambient PID/FID Reading: 0.0 ppm
	Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

7/15/25

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

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

SAMPLING DATA

Sample Date: 7/15/25 Sample Time: 0920 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: M

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 | WEATHER: 88° Sunny

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 48.40 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 40.97 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 44.68 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.15 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 7.43 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1141	41.02	clear	none	21.32	0.988	0.730 mS/cm uS/cm	6.74	110.74	2.115
300	1142	41.02			21.29	0.979	0.731 mS/cm uS/cm	6.74	110.40	2.088
600	1143	41.02			21.22	0.965	0.729 mS/cm uS/cm	6.75	109.82	2.239
900	1144	↓	↓	↓	21.16	0.958	0.724 mS/cm uS/cm	6.75	109.16	2.601
1200	1145				21.24	0.951	0.722 mS/cm uS/cm	6.75	108.56	3.109
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

070825

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace? Y | Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/7/25 WEATHER: 82°F, Cloudy

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 50.04 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.20 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 39.79 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 7.69 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1337	43.12	clear	slight	21.37	5.48	0.848 mS/cm uS/cm	7.14	106.25	25.19
600	1339	43.47	↓	↓	20.59	4.79	0.812 mS/cm uS/cm	6.94	104.96	17.23
900	1340	43.47			21.44	4.71	0.801 mS/cm uS/cm	6.92	104.65	17.36
1200	1341	43.47			21.90	4.63	0.805 mS/cm uS/cm	6.90	104.06	15.86
1500	1342	43.48			22.47	4.51	0.810 mS/cm uS/cm	6.88	103.48	13.48
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TD 7/7/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

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

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

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1345 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/17/25 WEATHER: Cloudy, 82°F

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.86 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.83 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 2.06 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1232	41.88	Cloudy	Slight	21.48	2.54	2.044 mS/cm uS/cm	6.94	-27.21	155.17
5700 2.06*	1251	41.90	↓	↓	19.87	19.87	0.387 mS/cm uS/cm	6.74	-103.17	48.96
6000	1252	41.90			20.05	20.05	0.360 mS/cm uS/cm	6.74	-104.06	31.32
6300	1253	41.90			20.03	20.03	0.345 mS/cm uS/cm	6.74	-104.63	28.17
6600	1254	41.90			19.81	19.81	0.332 mS/cm uS/cm	6.74	-105.05	28.42
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

TJ 7/17/25

Start Time: 1232 Elapsed Time (min): 22 Water Quality Meter ID & SN: YSI ProDSS -- 21804621O765

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

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1255 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 6,600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: 81° Sunny

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 63.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 38.00 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 47.35 ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 25 ft			
Water Column Height (not including NAPL): 20.65 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0928	42.37	clear	none	20.52	5.335	1.045 mS/cm uS/cm	6.70	125.47	0
300	0929	42.37			20.62	5.287	1.043 mS/cm uS/cm	6.70	125.49	0
600	0930	42.37			20.67	5.245	1.043 mS/cm uS/cm	6.70	125.54	0
900	0931				20.68	5.209	1.044 mS/cm uS/cm		125.60	0
1200	0932	↓	↓	↓	20.61	5.183	1.043 mS/cm uS/cm	↓	125.67	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

S.M. 070825

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

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

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 0935 Lab Analysis: VOC, SVOC, PAH

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

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

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/14/25 | WEATHER: Cloudy, 79°F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: NA ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 50.68 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.51 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: NA ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 41.25 ft		
Depth to Top of Screen (btoc): 40.43 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 133.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.17 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

TJ 7/14/25

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

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

Estimated Total Purge Volume: NA mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/10/25 WEATHER: Sunny 83°F

MONITORING WELL ID: P56 SAMPLE ID: P56-Rox-07025, P56-Rox-07025-EB

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 65.82 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.85 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 40.82 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 51.85 ft btoc	Wellbore PID/FID Reading: 92.1 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 18.97 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1013	46.83	clear	moderate	22.90	1.85	1.312 mS/cm uS/cm	6.90	-63.58	6.93
1200	1017	46.83	↓	↓	22.45	0.64	1.286 mS/cm uS/cm	6.95	-102.78	4.58
1500	1018	46.83			22.36	0.57	1.282 mS/cm uS/cm	6.96	-106.40	4.26
1800	1019	46.83			22.47	0.51	1.278 mS/cm uS/cm	6.96	-110.61	4.14
2100	1020	46.83			22.65	0.46	1.275 mS/cm uS/cm	6.97	-114.37	4.77
~~2400~~ TJ							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/10/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1013 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

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

SAMPLING DATA

Sample Date: 7/10/25 Sample Time: 1025 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/10/25 | WEATHER: Sunny 83°F

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

INITIAL DATA

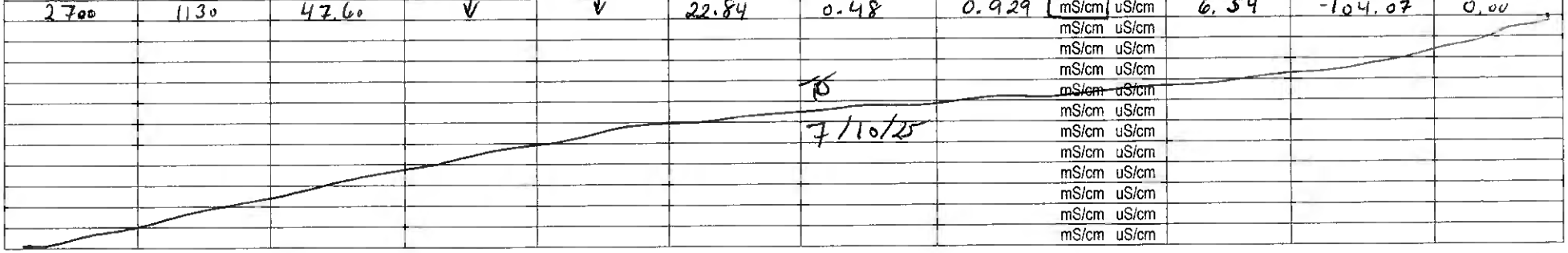
Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 54.19 ft	
Depth to Water (btoc): 46.98 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 50.59 ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 44.19 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 7.21 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1121	47.57	clear	moderate	21.97	2.14	0.947 mS/cm uS/cm	6.69	-76.01	7.51
1800	1127	47.65			22.16	0.62	0.929 mS/cm uS/cm	6.55	-100.12	1.38
2100	1128	47.65			22.71	0.55	0.926 mS/cm uS/cm	6.54	-101.96	0.74
2400	1129	47.62			22.79	0.49	0.931 mS/cm uS/cm	6.54	-103.86	0.00
2700	1130	47.60			22.84	0.48	0.929 mS/cm uS/cm	6.54	-104.07	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			



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

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

SAMPLING DATA

Sample Date: 7/10/25 | Sample Time: 1135 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/14/25 | WEATHER: cloudy, 76°F

MONITORING WELL ID: P-58 | SAMPLE ID: P58-Rox-07/425, P58-Rox-07/425-Dup

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc
Total Well Depth (btoc): 65.21 ft	
Depth to Water (btoc): 44.52 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 40.21 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 49.52 ft btoc
Screen Length: 25 ft	
Water Column Height (not including NAPL): 20.69 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm		+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0946	44.75	clear	moderate	28.54	2.64	1.366	mS/cm uS/cm	6.40	62.53	0.00
2100	0953	44.80	↓	↓	31.63	0.44	1.505	mS/cm uS/cm	6.50	-106.64	0.00
2400	0954	44.80			32.01	0.39	1.505	mS/cm uS/cm	6.51	-110.29	0.00
2700	0955	44.80			31.84	0.35	1.504	mS/cm uS/cm	6.51	-113.06	0.00
3000	0956	44.80			31.77	0.33	1.503	mS/cm uS/cm	6.52	-114.37	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TD 7/14/25			mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

Start Time: 0946 | Elapsed Time (min): 10 | Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

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

SAMPLING DATA

Sample Date: 7/14/25 | Sample Time: 10:00 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 72.91 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 48.00 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 47.91 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 53.00 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.91 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0935	48.03	clear	Mod. HC	24.9	0.30	1.548 mS/cm uS/cm	6.68	-109.17	0.0
300	0936	48.03			24.8	0.28	1.540 mS/cm uS/cm	6.69	-111.69	0.4
600	0937	48.03			25.0	0.26	1.529 mS/cm uS/cm	6.69	-114.19	2.9
900	0938	↓			25.0	0.25	1.523 mS/cm uS/cm	6.69	-115.96	2.4
1200	0939		↓	↓	25.0	0.23	1.520 mS/cm uS/cm	6.69	-117.89	2.5
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MM 7/11/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace (Y) Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

MONITORING WELL ID: P-66 SAMPLE ID: —

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 59.72 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 36.07 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): No ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Depth to Top of Screen (btoc): 34.72 ft			
Screen Length: 25 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
Water Column Height (not including NAPL): 23.65 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

7/10/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

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

Not Sampled due to presence of LNAPL

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/14/25 | WEATHER: cloudy 79°F

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

INITIAL DATA

Well Diameter: 4 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 68.76 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.24 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 46.15 ft		
Depth to Top of Screen (btoc): 43.76 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 273.3 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 22.52 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TD 7/14/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

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

Estimated Total Purge Volume: NA mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/11/25 | WEATHER: clear 88°

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

INITIAL DATA

Well Diameter): 4 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 68.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.83 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 49.20 ft btoc	Wellbore PID/FID Reading: 48.2 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.63 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1154	44.58	clear	Mod. HC	22.5	0.53	0.820 mS/cm uS/cm	6.52	-83.20	3.22
300	1155	44.58	↓	↓	22.7	0.47	0.817 mS/cm uS/cm	6.52	-84.54	2.92
600	1156	44.58	↓	↓	22.7	0.43	0.817 mS/cm uS/cm	6.51	-85.64	3.26
900	1157	↓	↓	↓	22.9	0.38	0.819 mS/cm uS/cm	6.50	-86.86	3.30
1200	1158	↓	↓	↓	22.8	0.35	0.820 mS/cm uS/cm	6.50	-87.65	3.20
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

7/11/25

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

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

SAMPLING DATA

Sample Date: 7-11-25 | Sample Time: 1205 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/11/25 | WEATHER: 86°F Sunny

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc
Total Well Depth (btoc): 53.07 ft	
Depth to Water (btoc): 45.03 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 49.05 ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 43.07 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 8.04 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

TS 7/11/25

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

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

SAMPLING DATA

Sample Date: 7/11/25 | Sample Time: 1305 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TS, TS

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 76.78 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.47 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 74.78 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 191.8 ppm
Screen Length: 2 ft		
Water Column Height (not including NAPL): 30.31 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 75.78 ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1122	46.50	~~22.22~~ clear	moderate	22.22	1.35	1.346 mS/cm uS/cm	6.79	-6.25	0.00
900	1125	46.50	↓	↓	22.33	0.49	0.494 mS/cm uS/cm	6.69	-57.03	0.00
1200	1126	46.50			22.39	0.38	0.385 mS/cm uS/cm	6.68	-66.47	0.00
1500	1127	46.49			22.38	0.33	0.326 mS/cm uS/cm	6.68	-73.20	0.00
1800	1128	46.49			22.40	0.28	0.283 mS/cm uS/cm	6.68	-78.25	0.00
2100	1129	46.49			22.40	0.25	0.246 mS/cm uS/cm	6.69	-83.14	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/14/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

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

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

SAMPLING DATA

Sample Date: 7/14/25 | Sample Time: 1135 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] Initials: TJ, TS

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/10/25 | WEATHER: Sunny, 83 °F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 95.38 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 97.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 92.88 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 5 ft		
Water Column Height (not including NAPL): 51.68 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1351	46.28	clear	moderate	~~23.3~~ 23.77	2.29	0.845 mS/cm uS/cm	7.12	-68.21	40.67
1500	1356	46.28	↓	↓	25.60	0.73	0.845 mS/cm uS/cm	7.00	-107.05	27.83
1800	1357	46.28			25.81	0.65	0.848 mS/cm uS/cm	7.00	-109.70	30.72
2100	1358	46.28			25.57	0.60	0.853 mS/cm uS/cm	7.00	-112.07	19.62
2400	1359	46.28			25.77	0.58	0.850 mS/cm uS/cm	7.00	-113.39	15.89
							~~mS/cm~~ ~~uS/cm~~			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							~~mS/cm~~ ~~uS/cm~~			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

TD 7/10/25

Start Time: 1351 | Elapsed Time (min): 8 | Water Quality Meter ID & SN: YSI ProDSS -21804612107765

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

SAMPLING DATA

Sample Date: 7/10/25 | Sample Time: 1405 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/10/25 WEATHER: Sunny, 83 °F

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 127.91 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 46.50 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 125.66 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 2 ft			
Water Column Height (not including NAPL): 81.41 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 126.66 ft btoc		

PURGE DATA

Pump Type: Dedicated Well Wizard

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

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

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

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 33.31 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 27.72 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 30.51 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 23.01 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 5.59 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

070925

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/8/25 WEATHER: cloudy, 82°F

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

INITIAL DATA

Well Diameter):	2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN:	ft btoc
Total Well Depth (btoc):	48.06 ft		
Depth to Water (btoc):	42.53 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT:	45.31 ft btoc
Depth to LNAPL/DNAPL (btoc):	NE ft		
Depth to Top of Screen (btoc):	37.81 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER):	ft btoc
Screen Length:	10 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT:	ft btoc
Water Column Height (not including NAPL):	5.51 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER):	ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1318	42.70	clear	slight	22.2	1.58	0.90 mS/cm uS/cm	6.77	-69.9	1.71
1200	1322	42.70	↓	↓	21.1	0.57	0.896 mS/cm uS/cm	6.76	-95.8	0.06
1500	1323	42.70			21.0	0.51	0.894 mS/cm uS/cm	6.76	-98.3	0.00
1800	1324	42.70			21.1	0.47	0.893 mS/cm uS/cm	6.77	-100.3	0.00
2100	1325	42.70			21.0	0.43	0.896 mS/cm uS/cm	6.77	-102.4	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/8/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1318 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804621076 5

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

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1330 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/9/25 WEATHER: Sunny, 74 °F

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: Rost4PzC-Rox-070925, Rost4PzC-Rox-070925-Dup

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 45.20 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.50 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.95 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 2.7 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 43.50 ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1029	43.00	Clear	Slight	21.54	2.31	1.463	mS/cm uS/cm	7.03	-115.02	20.02
900	1032	43.00			20.82	1.05	1.416	mS/cm uS/cm	6.71	-113.57	0.00
1200	1033	43.00			20.91	0.84	1.408	mS/cm uS/cm	6.73	-116.91	0.00
1500	1034	43.00			20.90	0.71	1.407	mS/cm uS/cm	6.75	-119.62	0.00
1800	1035				20.88 91	0.60	1.403	mS/cm uS/cm	6.77	-122.00	0.00
2100	1036				20.88	0.53	1.403	mS/cm uS/cm	6.78	-123.51	0.00
2400	1037				20.80	0.48	1.402	mS/cm uS/cm	6.79	-124.77	0.00
2700	1038				20.79	0.44	1.402	mS/cm uS/cm	6.80	-126.08	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TS			mS/cm uS/cm			
					7/9/25			mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

Start Time: 1029 Elapsed Time (min): 9 Water Quality Meter ID & SN: YSI ProDSS -- 21846/210765

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

SAMPLING DATA

Sample Date: 7/9/25 Sample Time: 1040 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TS, TS

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/9/25 | WEATHER: Cloudy, 71°F

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 40.87 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.94 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.75 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 4.13 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	0905	42.40	clear	slight	20.8	5.25	1.446	mS/cm uS/cm	6.607	180.58	2.28
600	0907	42.40	↓	↓	20.8	5.18	1.474	mS/cm uS/cm	6.68	177.37	8.42
900	0908	42.40			20.7	5.16	1.475	mS/cm uS/cm	6.68	176.06	19.04
1200	0909	42.40			20.9	5.11	1.468	mS/cm uS/cm	6.69	173.09	10.19
1500	0910	42.40			20.7	5.06	1.472	mS/cm uS/cm	6.70	170.42	4.95
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

TJ 7/09/25

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

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

SAMPLING DATA

Sample Date: 7/9/25 | Sample Time: 0915 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/9/25 WEATHER: Cloudy, 74°F

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 44.53 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.28 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 1.73 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 43.80 ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1220	42.83	cloudy	moderate	22.4	2.24	1.392	mS/cm uS/cm	6.94	-127.3	71.02
4200	1234	42.85	↓	↓	21.8	0.41	1.321	mS/cm uS/cm	6.78	-149.7	2.60
4500	1235	42.85			21.8	0.37	1.319	mS/cm uS/cm	6.78	-150.1	0.86
4800	1236	42.85			22.0	0.34	1.320	mS/cm uS/cm	6.77	-150.7	0.00
5100	1237	42.85			22.0	0.31	1.320	mS/cm uS/cm	6.77	-151.3	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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								mS/cm uS/cm			

TJ 7/9/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 5100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

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

DATE: 7/11/25 | WEATHER: clear 87°

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

INITIAL DATA

Well Diameter: 6 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 72.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 46.83 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 51.83 ft btoc	Wellbore PID/FID Reading: 2.8 ppm
Screen Length: 26 ft		
Water Column Height (not including NAPL): 26.63 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1040	46.28	Clear	Slight HC	23.7	0.34	1.213 mS/cm uS/cm	6.73	-137.13	12.7
300	1041	46.28	↓	↓	23.8	0.31	1.213 mS/cm uS/cm	6.72	-137.96	18.1
600	1042	46.28			23.6	0.29	1.215 mS/cm uS/cm	6.73	-138.38	21.2
900	1043	↓			23.6	0.28	1.207 mS/cm uS/cm	6.73	-138.91	10.6
1200	1044				24.1	0.26	1.213 mS/cm uS/cm	6.72	-139.65	12.1
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

7/11/25

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

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

SAMPLING DATA

Sample Date: 7/11/25 | Sample Time: 1050 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/14/25 | WEATHER: 84° Clear

MONITORING WELL ID: MW-1 | SAMPLE ID: MW1-ROK-101425

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 53.80 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 59.13 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 48.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 17.33 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1233	41.83	clear	none	17.84	0.628	0.997 mS/cm uS/cm	6.94	114.54	8
300	1234	41.83	↓	↓	17.82	0.576	0.997 mS/cm uS/cm	6.94	113.58	8
600	1235	41.83			17.79	0.558	0.996 mS/cm uS/cm	6.94	113.24	8
900	1236	↓			17.78	0.548	0.996 mS/cm uS/cm	6.94	113.05	8
1200	1237				17.84	0.536	0.995 mS/cm uS/cm	6.93	112.73	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

101425

Start Time: 1233 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS - 51337/447/6

Stop Time: 1237 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/14/25

SAMPLING DATA

Sample Date: 10/14/25 | Sample Time: 1240 | Lab Analysis: VOC, SVOC, PAH

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

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

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/14/25 | WEATHER: 84° Clear

MONITORING WELL ID: MW-2 | SAMPLE ID: MW2-ROX-101425/(-DUP)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 54.87 ft btoc
Total Well Depth (btoc): 60.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 42.98 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 49.87 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 17.22 ft	

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 85.9 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1331	43.02	clear	strong	19.66	0.388	0.785 mS/cm uS/cm	7.18	3.36	0
300	1332	43.02	↓	↓	19.68	0.383	0.784 mS/cm uS/cm	7.18	-2.10	0
600	1333	43.02	↓	↓	19.60	0.379	0.784 mS/cm uS/cm	7.18	-5.89	0
900	1334	↓	↓	↓	19.57	0.375	0.784 mS/cm uS/cm	↓	-9.63	0
1200	1335	↓	↓	↓	19.58	0.371	0.783 mS/cm uS/cm	↓	-13.99	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

SMM 101425

Start Time: 1331 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 1335 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/14/25

SAMPLING DATA

Sample Date: 10/14/25 | Sample Time: 1340 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ | Initials: SMM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/10/25 WEATHER: 57°

MONITORING WELL ID: MW-3 SAMPLE ID: MW3-ROX-101025

INITIAL DATA

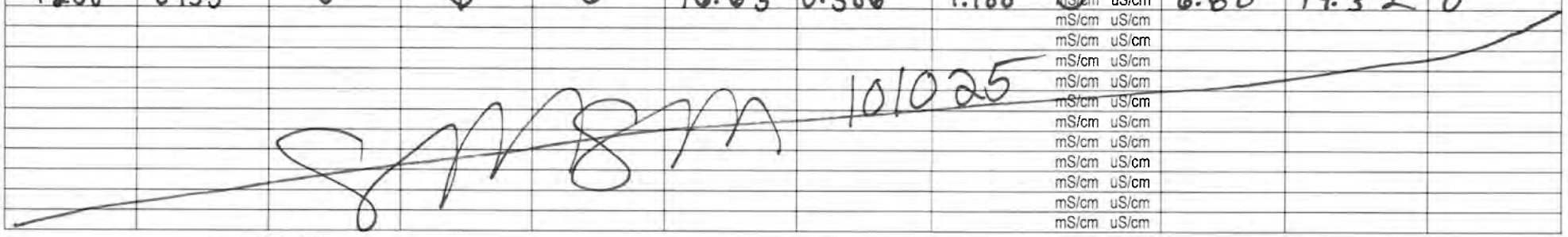
Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.67 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 29.93 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.67 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 16.07 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0949	28.93	clear	none	16.66	0.553	1.102 mS/cm uS/cm	6.80	42.10	0
300	0950	28.93	↓	↓	16.68	0.530	1.102 mS/cm uS/cm	6.80	35.94	0
600	0951	28.93	↓	↓	16.67	0.523	1.102 mS/cm uS/cm	6.80	32.73	0
900	0952	↓	↓	↓	16.66	0.515	1.101 mS/cm uS/cm	6.80	26.96	0
1200	0953	↓	↓	↓	16.63	0.506	1.100 mS/cm uS/cm	6.80	19.32	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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Start Time: 0949 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 0953 Average Purge Rate (mL/min): 300 Date Calibrated: 10/10/25

SAMPLING DATA

Sample Date: 10/10/25 Sample Time: 0955 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW **PROJECT NUMBER:** 60738191 - 3.4.1/2/3 **FIELD PERSONNEL:** Tony Jones; Erika Neal

DATE: 10/9/25 **WEATHER:** 59°F Sunny

MONITORING WELL ID: MW-4 **SAMPLE ID:** MW4-Rox-100925-EB, MW4-Rox-100925, MW4-Rox-100925

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 50.23 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 55.39 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 40.13 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 45.06 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: ~~0~~ 176.2 ppm
Screen Length: 10 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
Water Column Height (not including NAPL): 15.26 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1053	40.16	Clear	Strong	34.15	7.58	0.005	mS/cm uS/cm	5.72	218.39	244.94
360	1105	40.16			21.11	3.72	1.2445	mS/cm uS/cm	7.03	-126.1	20.30
390	1106	40.16			21.11	3.62	1.2443	mS/cm uS/cm	7.04	-127.64	19.84
420	1107	40.16			21.08	3.51	1.2443	mS/cm uS/cm	7.04	-129.34	19.66
450	1108				21.14	3.40	1.244	mS/cm uS/cm	7.04	-130.91	19.38
480	1109				21.20	3.30	1.243	mS/cm uS/cm	7.04	-132.38	18.34
510	1110				21.19	3.20	1.244	mS/cm uS/cm	7.04	-133.67	17.76
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

TJ 10/9/25

Start Time: 1053 **Elapsed Time (min):** 17 **Water Quality Meter ID & SN:** YSI ProDSS -- 44687/210760

Stop Time: 1110 **Average Purge Rate (mL/min):** 300 **Date Calibrated:** 10/9/25

SAMPLING DATA

Sample Date: 10/9/25 **Sample Time:** 1115 **Lab Analysis:** VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ **Initials:** TJ, EN

COMMENTS:

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

Estimated Total Purge Volume: 510 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW **PROJECT NUMBER:** 60771235 - 3.5.1/2/3 **FIELD PERSONNEL:** MMassa TJones

DATE: 12/10/25 **WEATHER:** WINDY, OVERCAST 38°

MONITORING WELL ID: MW-4 **SAMPLE ID:** MW4-ROX-121025

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 50.06 ft btoc
Total Well Depth (btoc): 55.39 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 40.42 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 45.06 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 14.97 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 508.6 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
STABLE: (over 4 readings)					Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1051	40.43	Clear	Mod. HC	16.0	1.68	0.857 mS/cm uS/cm	7.00	114.04	44.4
300	1052	40.42			16.0	1.33	0.861 mS/cm uS/cm	7.00	113.32	43.4
600	1053	40.42			16.3	1.15	0.859 mS/cm uS/cm	6.99	113.44	42.3
900	1054	40.42			16.7	1.07	0.860 mS/cm uS/cm	6.98	113.53	40.7
1200	1055				16.8	0.95	0.863 mS/cm uS/cm	6.98	113.23	40.6
1500	1056				16.7	0.87	0.864 mS/cm uS/cm	7.00	112.64	40.7
1800	1057				16.9	0.81	0.860 mS/cm uS/cm	7.02	111.40	41.9
2100	1058				17.2	0.78	0.862 mS/cm uS/cm	7.03	110.51	40.8
2400	1059				17.3	0.74	0.864 mS/cm uS/cm	7.04	109.58	40.6
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MM 12/10/25

Start Time: 1051 **Elapsed Time (min):** 8 **Water Quality Meter ID & SN:** YSI ProDSS - 44687/44716

Stop Time: 1059 **Average Purge Rate (mL/min):** 300 **Date Calibrated:** 12/10/25

SAMPLING DATA

Sample Date: 12/10/25 **Sample Time:** 1105 **Lab Analysis:** VOC, ~~SVOC, PAH~~ MS

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

VOA Vials, No Headspace: ☑ **Initials:** MM

COMMENTS:

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

Estimated Total Purge Volume: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60771235 3.5.2 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/10/25 WEATHER: 59° Clear

MONITORING WELL ID: MW-5 SAMPLE ID: MW5-ROX-101025

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.97 ft btoc
Total Well Depth (btoc): 44.30 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 28.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 33.97 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.80 ft	

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) STABLE: (over 4 readings)	DO (mg/L) Monitor Temp.	Spec. Cond. +/-0.2 mg/L or +/-10%	pH +/-5% or +/-2 uS/cm	ORP (mV) +/-0.2 mg/L	Turb (NTU) +/-20 mV	Monitor Turb Readings (<50)
0	1106	28.50	clear	strong	16.97	0.482	1.298 mS/cm uS/cm	6.75	-73.55		
300	1107	28.50	↓	↓	16.98	0.474	1.298 mS/cm uS/cm	6.75	-76.70	8	
600	1108	28.50	↓	↓	16.95	0.465	1.299 mS/cm uS/cm	6.75	-82.11	0	
900	1109	↓	↓	↓	16.91	0.460	1.299 mS/cm uS/cm	6.76	-86.05	0	
1200	1110	↓	↓	↓	16.91	0.455	1.298 mS/cm uS/cm	6.76	-88.81	0	
							mS/cm uS/cm				
							mS/cm uS/cm				
							mS/cm uS/cm				
							mS/cm uS/cm				
							mS/cm uS/cm				
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							mS/cm uS/cm				

SM 10/10/25

Start Time: 1106 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 5/1337/447/6

Stop Time: 1110 Average Purge Rate (mL/min): 300 Date Calibrated: 10/10/25

SAMPLING DATA

Sample Date: 10/10/25 Sample Time: 1115 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SM

COMMENTS:

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

Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/8/25 WEATHER: 75° Sunny

MONITORING WELL ID: MW-6A SAMPLE ID: MW6A-ROX-100825

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.85 ft btoc
Total Well Depth (btoc): 44.18 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 30.46 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 33.85 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 13.72 ft	

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1332	30.50	clear	moderate	9.04	0.391	0.833 mS/cm uS/cm	6.84	-89.72	0
300	1333	30.50	↓	↓	9.06	0.382	0.832 mS/cm uS/cm	6.84	-92.68	0
600	1334	30.50	↓	↓	9.03	0.377	0.832 mS/cm uS/cm	6.85	-94.25	0
900	1335	↓	↓	↓	9.04	0.368	0.830 mS/cm uS/cm	6.85	-96.87	0
1200	1336				9.03	0.365	0.830 mS/cm uS/cm	6.85	-98.83	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

100825

Start Time: 1332 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 5/1337/447/6

Stop Time: 1336 Average Purge Rate (mL/min): 300 Date Calibrated: 10/8/25

SAMPLING DATA

Sample Date: 10/8/25 Sample Time: 1340 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/8/25 WEATHER: 64° Clear

MONITORING WELL ID: MW-6B SAMPLE ID: MW6B-ROX-100825

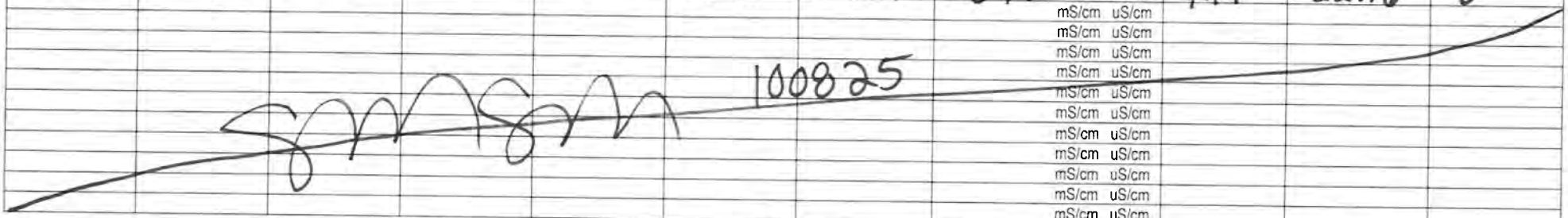
INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 60.05 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 68.88 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 30.50 ft		Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Depth to Top of Screen (btoc): 63.55 ft			
Screen Length: 5 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
Water Column Height (not including NAPL): 38.38 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) STABLE: (over 4 readings) Monitor Temp.	DO (mg/L) +/-0.2 mg/L or +/-10%	Spec. Cond. +/-5% or +/-2 uS/cm	pH +/-0.2 mg/L	ORP (mV) +/-20 mV	Turb (NTU) Monitor Turb Readings (<50)
0	1241	30.52	clear	slight	18.51	8.485	0.577 mS/cm uS/cm	7.19	-12.32	0
300	1242	30.52	↓	↓	18.50	8.477	0.578 mS/cm uS/cm	7.19	-15.50	0
600	1243	30.52	↓	↓	18.49	8.474	0.578 mS/cm uS/cm	7.19	-17.67	0
900	1244	↓	↓	↓	18.46	8.471	0.579 mS/cm uS/cm	7.19	-19.73	0
1200	1245	↓	↓	↓	18.43	8.467	0.579 mS/cm uS/cm	7.19	-22.16	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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Start Time: 1241 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/44716

Stop Time: 1245 Average Purge Rate (mL/min): 300 Date Calibrated: 10/8/25

SAMPLING DATA

Sample Date: 10/8/25 Sample Time: 1250 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738/9/3.4/ FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/8/25 WEATHER: 64° Clear

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C-ROX-100825

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 86.67 ft btoc
Total Well Depth (btoc): 89.60 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 30.30 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 84.29 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 5 ft	
Water Column Height (not including NAPL): 59.30 ft	

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) STABLE: (over 4 readings) Monitor Temp.	DO (mg/L) +/-0.2 mg/L or +/-10%	Spec. Cond. +/-5% or +/-2 uS/cm	pH +/-0.2 mg/L	ORP (mV) +/-20 mV	Turb (NTU) Monitor Turb Readings (<50)
0	1112	30.32	clear	slight	17.93	0.504	0.583 mS/cm uS/cm	7.08	-0.13	0
300	1113	30.32	↓	↓	17.88	0.473	0.592 mS/cm uS/cm	7.08	-0.88	0
600	1114	30.32	↓	↓	17.89	0.464	0.595 mS/cm uS/cm	7.08	-3.88	0
900	1115	↓	↓	↓	17.90	0.462	0.593 mS/cm uS/cm	↓	-6.29	0
1200	1116	↓	↓	↓	17.93	0.462	0.594 mS/cm uS/cm	↓	-8.67	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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100825

Start Time: 1112 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 1116 Average Purge Rate (mL/min): 300 Date Calibrated: 10/8/25

SAMPLING DATA

Sample Date: 10/8/25 Sample Time: 1120 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S.McLean, T.Jenkins

DATE: 10/8/25 WEATHER: 59° Clear

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-Rox-100825

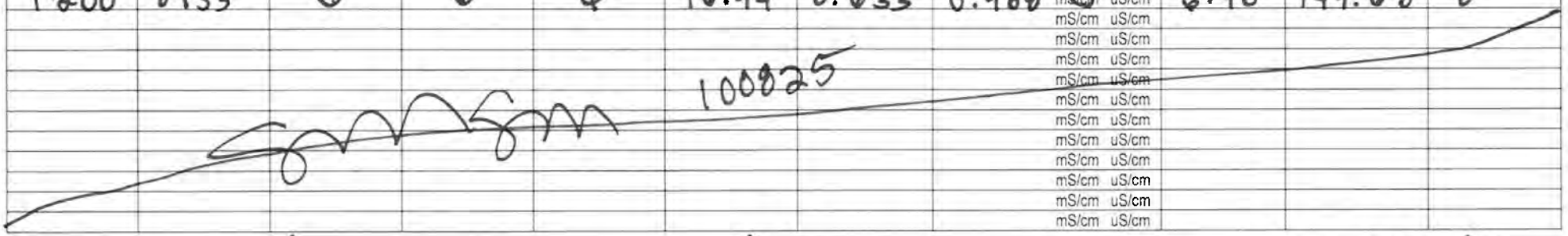
INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 106.67 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 109.50 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 30.15 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 104.17 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 5 ft			
Water Column Height (not including NAPL): 79.35 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	0951	30.18	clear	none	16.86	0.701	0.981 mS/cm uS/cm	6.89	171.68	0
300	0952	30.18	↓	↓	16.88	0.668	0.983 mS/cm uS/cm	6.89	165.02	0
600	0953	30.18	↓	↓	16.90	0.647	0.985 mS/cm uS/cm	6.90	158.89	0
900	0954	↓	↓	↓	16.92	0.642	0.986 mS/cm uS/cm	6.90	155.29	0
1200	0955	↓	↓	↓	16.94	0.633	0.988 mS/cm uS/cm	6.90	149.68	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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Start Time: 0951 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/447/6

Stop Time: 0955 Average Purge Rate (mL/min): 300 Date Calibrated: 10/8/25

SAMPLING DATA

Sample Date: 10/8/25 Sample Time: 1000 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: T Jones ENeal

DATE: 10/9/25 WEATHER:

MONITORING WELL ID: MW-7 SAMPLE ID: —

INITIAL DATA

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

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

Not sampled due to operation of SVE System / elevated water temperatures Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/6/25 WEATHER: 76° Clear

MONITORING WELL ID: MW-9 SAMPLE ID: MW9-ROX-100625 /(-EB)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 48.93 ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 56.37 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 43.93 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 46.04 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 12.44 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1031	43.98	clear	none	19.17	0.422	0.960 mS/cm uS/cm	6.94	-56.77	32.45
300	1032	43.98	↓	↓	19.05	0.417	0.962 mS/cm uS/cm	6.74	-57.97	33.44
600	1033	43.93			19.00	0.413	0.962 mS/cm uS/cm	6.74	-58.66	34.12
900	1034	↓			18.78	0.404	0.961 mS/cm uS/cm	6.74	-60.06	35.00
1200	1035				18.82	0.400	0.960 mS/cm uS/cm	6.74	-60.58	35.49
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SM SM 100625

Start Time: 1031 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS .. 51337/44716

Stop Time: 1035 Average Purge Rate (mL/min): 300 Date Calibrated: 10/6/25

SAMPLING DATA

Sample Date: 10/6/25 Sample Time: 1040 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/6/25 WEATHER: 76° Clear

MONITORING WELL ID: MW-10 SAMPLE ID: MW10-ROX-100625/(-MS/MSD)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 48.80 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 54.22 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 43.90 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.89 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.42 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1148	43.85	clear	none	18.68	0.329	1.639 mS/cm uS/cm	6.87	-85.09	30.79
300	1149	43.85	↓	↓	18.76	0.323	1.638 mS/cm uS/cm	6.87	-87.19	21.05
600	1150	43.85	↓	↓	18.68	0.320	1.639 mS/cm uS/cm	6.84	-89.18	20.96
900	1151	↓	↓	↓	18.60	0.316	1.638 mS/cm uS/cm	↓	-89.38	21.50
1200	1152	↓	↓	↓	19.11	0.304	1.630 mS/cm uS/cm	↓	-96.28	16.56
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SM SM 100625

Start Time: 1148 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 1152 Average Purge Rate (mL/min): 300 Date Calibrated: 10/6/25

SAMPLING DATA

Sample Date: 10/6/25 Sample Time: 1155 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: SM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/6/25 WEATHER: 88° Clear

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-ROX-100625

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 51.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.75 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 41.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 6.15 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1319	41.70	cloudy	none	17.76	0.558	1.418 mS/cm uS/cm	6.77	59.84	111.40
300	1320	41.70	↓	↓	17.90	0.542	1.423 mS/cm uS/cm	6.77	63.79	106.42
600	1321	41.70	↓	↓	17.91	0.535	1.428 mS/cm uS/cm	6.77	56.50	101.23
900	1322	↓	↓	↓	17.81	0.524	1.433 mS/cm uS/cm	6.77	45.64	109.87
1200	1323	↓	↓	↓	17.68	0.484	1.433 mS/cm uS/cm	6.76	46.39	111.28
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

100625

Start Time: 1319 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/44716

Stop Time: 1323 Average Purge Rate (mL/min): 300 Date Calibrated: 10/6/25

SAMPLING DATA

Sample Date: 10/6/25 Sample Time: 1335 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL *Turb* high potentially due to sed.

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/7/25 WEATHER: 72° Cloudy

MONITORING WELL ID: MW-12 SAMPLE ID: MW12-ROX-100725 (-MS/MSD)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 51.74 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.71 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 41.41 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.06 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1050	41.70	clear	none	16.94	0.902	0.922 mS/cm uS/cm	6.78	203.08	0
300	1051	41.70	↓	↓	16.95	0.923	0.921 mS/cm uS/cm	6.78	202.91	0
600	1052	41.70	↓	↓	16.93	0.923	0.922 mS/cm uS/cm	6.78	202.91	0
900	1053	↓	↓	↓	16.93	0.918	0.922 mS/cm uS/cm	6.78	202.83	0
1200	1054	↓	↓	↓	16.97	0.921	0.921 mS/cm uS/cm	6.78	202.65	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

100725

Start Time: 1050 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/44716

Stop Time: 1054 Average Purge Rate (mL/min): 300 Date Calibrated: 10/7/25

SAMPLING DATA

Sample Date: 10/7/25 Sample Time: 1100 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/9/25 | WEATHER: 60° Clear

MONITORING WELL ID: MW-13 | SAMPLE ID: MW13-ROX-100925/(-EB)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 35.05 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 28.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 31.70 ~~28.15m 29.00m~~ ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 24.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 6.70 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1050	28.35	clear	slight	18.33	0.579	1.431 mS/cm uS/cm	6.42	9.56	50.94
300	1051	28.35	↓	↓	18.28	0.537	1.430 mS/cm uS/cm	6.42	7.23	47.00
600	1052	28.35	↓	↓	18.23	0.506	1.428 mS/cm uS/cm	6.42	6.57	45.70
900	1053	↓	↓	↓	18.22	0.450	1.423 mS/cm uS/cm	6.42	2.49	35.86
1200	1054	↓	↓	↓	18.26	0.420	1.421 mS/cm uS/cm	6.42	0.42	36.50
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

100825

Start Time: 1050 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS – 51337/44716

Stop Time: 1054 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/9/25

SAMPLING DATA

Sample Date: 10/9/25 | Sample Time: 1100 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * EB = 0835am *

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, E. Neal

DATE: 10/13/25 WEATHER: 66° Overcast

MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-101325/C-DUP5

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.42 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.42 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 32.41 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.42 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 32.9 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 11.01 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0938	32.40	clear	strong		0.411	1.550 mS/cm uS/cm	6.57	88.32	8
300	0939	32.40	↓	↓		0.404	1.550 mS/cm uS/cm	6.58	86.25	8
600	0940	32.40				0.398	1.550 mS/cm uS/cm	6.58	84.71	8
900	0941	↓				0.394	1.549 mS/cm uS/cm	6.58	83.50	8
1200	0942					0.392	1.549 mS/cm uS/cm	6.58	82.47	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					101325		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 0938 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS 51337/44716

Stop Time: 0942 Average Purge Rate (mL/min): 300 Date Calibrated: 10/13/25

SAMPLING DATA

Sample Date: 10/13/25 Sample Time: 0945 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/7/25 | WEATHER: 72° Cloudy

MONITORING WELL ID: MW-16 | SAMPLE ID: MW16-ROX-100725

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 47.75 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.88 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 45.31 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 37.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 4.87 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0931	42.98	clear	none	17.00	0.447	0.893 mS/cm uS/cm	6.69	120.30	0
300	0932	42.98	↓	↓	17.05	0.434	0.892 mS/cm uS/cm	6.69	116.90	0
600	0933	42.98	↓	↓	17.06	0.425	0.893 mS/cm uS/cm	6.70	114.97	0
900	0934	↓	↓	↓	17.09	0.401	0.894 mS/cm uS/cm	6.70	109.62	0
1200	0935	↓	↓	↓	17.04	0.393	0.893 mS/cm uS/cm	6.70	105.28	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

100725

Start Time: 0931 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 51337/44716

Stop Time: 0935 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/7/25

SAMPLING DATA

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

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/15/25 WEATHER: 82° Partly

MONITORING WELL ID: MW-22 SAMPLE ID: MW22-ROX-101525

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 48.48 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.63 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 45.05 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.23 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 6.85 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1339	41.65	clear	moderate	22.20	3.358	1.291 mS/cm uS/cm	6.85	-123.53	0.678
300	1340	41.65	↓	↓	22.13	3.348	1.292 mS/cm uS/cm	6.85	-127.62	0.822
600	1341	41.65			22.03	3.342	1.293 mS/cm uS/cm	6.86	-123.66	0.839
900	1342	↓			21.96	3.336	1.293 mS/cm uS/cm	6.86	-123.70	0.872
1200	1343				21.88	3.326	1.291 mS/cm uS/cm	6.86	-123.83	1.135
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

101525

Start Time: 1339 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 5/337 / 21076O

Stop Time: 1343 Average Purge Rate (mL/min): 300 Date Calibrated: 10/15/25

SAMPLING DATA

Sample Date: 10/15/25 Sample Time: 1350 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/9/25 WEATHER: 75° Clear

MONITORING WELL ID: MW-23 SAMPLE ID: MW23-ROX-100925/(-EB)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 39.27 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 29.90 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 34.58 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 29.02 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.37 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1408	29.93	clear	strong	17.47	0.447	1.080 mS/cm uS/cm	6.59	-27.04	0
300	1409	29.93	↓	↓	17.45	0.439	1.080 mS/cm uS/cm	6.59	-30.50	0
600	1410	29.93	↓	↓	17.46	0.436	1.079 mS/cm uS/cm	6.59	-32.16	0
900	1411	↓	↓	↓	17.48	0.429	1.078 mS/cm uS/cm	↓	-36.33	0
1200	1412	↓	↓	↓	17.43	0.425	1.078 mS/cm uS/cm	↓	-39.07	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

100925

Start Time: 1408 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/447/6

Stop Time: 1412 Average Purge Rate (mL/min): 300 Date Calibrated: 10/9/25

SAMPLING DATA

Sample Date: 10/9/25 Sample Time: 1415 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL *EB-1310pm*

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mmassa Jenkins

DATE: 10/20/25 WEATHER: clear 60°

MONITORING WELL ID: MW-24 SAMPLE ID: MW24-ROX-102025

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 49.86 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.63 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.25 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NC ft			
Depth to Top of Screen (btoc): 39.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 7.23 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1325	42.63	clear	none	19.3	1.33	1.472 mS/cm uS/cm	6.90	41.90	14.6
300	1326	42.63			19.4	1.28	1.473 mS/cm uS/cm	6.90	42.38	12.4
600	1327	42.63			19.6	1.21	1.471 mS/cm uS/cm	6.90	42.47	10.0
900	1328				19.6	1.16	1.473 mS/cm uS/cm	6.91	42.26	9.7
1200	1329				19.8	1.14	1.471 mS/cm uS/cm	6.91	41.94	9.3
1500	1330				19.7	1.17	1.474 mS/cm uS/cm	6.91	41.78	8.5
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

10/20/25

Start Time: 1325 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS -- 51301/45612

Stop Time: 1330 Average Purge Rate (mL/min): 300 Date Calibrated: 10/20/25

SAMPLING DATA

Sample Date: 10/20/25 Sample Time: 1335 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60771235 - 3.5.1/2/3 FIELD PERSONNEL: MMassa TZones

DATE: 12/10/25 WEATHER: Windy, overcast 41°

MONITORING WELL ID: MW-24 SAMPLE ID: MW24-ROX-121025

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): ~~49.86~~ ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 43.04 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.45 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 39.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 6.82 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0935	43.08	clear	none	14.50	2.00	1.384 mS/cm uS/cm	6.63	140.10	19.8
300	0936	43.08			14.53	1.99	1.387 mS/cm uS/cm	6.64	141.44	17.9
600	0938	43.08			14.2	1.99	1.381 mS/cm uS/cm	6.65	142.01	16.9
900	0938	↓			14.3	1.97	1.380 mS/cm uS/cm	6.66	143.43	16.4
1200	0939				13.5	1.97	1.392 mS/cm uS/cm	6.67	143.22	14.4
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

12/10/25

Start Time: 0935 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 44687/44716

Stop Time: 0939 Average Purge Rate (mL/min): 300 Date Calibrated: 12/10/25

SAMPLING DATA

Sample Date: 12-10-25 Sample Time: 0945 Lab Analysis: VOC, ~~SVOC, PAH~~

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

VOA Vials, No Headspace ☑ Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: T Jones ENeal

DATE: 10/9/25 WEATHER: ~

MONITORING WELL ID: MW-25 SAMPLE ID: ~

INITIAL DATA

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials: ~

COMMENTS:

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

Not sampled due to elevated groundwater temps.

Estimated Total Purge Volume: ~ mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/7/25 WEATHER: 76° Cloudy

MONITORING WELL ID: MW-26 SAMPLE ID: MW26-ROX-100725

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 48.40 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 40.08 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 44.24 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 38.15 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 8.32 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1312	40.08	clear	none	17.88	1.343	0.854 mS/cm uS/cm	6.79	206.13	8
300	1313	40.08	↓	↓	17.91	1.316	0.854 mS/cm uS/cm	6.79	207.47	8
600	1314	40.08	↓	↓	17.94	1.305	0.854 mS/cm uS/cm	6.79	208.52	8
900	1315	↓	↓	↓	17.96	1.291	0.854 mS/cm uS/cm	6.79	209.94	8
1200	1316	↓	↓	↓	17.98	1.279	0.854 mS/cm uS/cm	6.79	210.98	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			

100725

Start Time: 1312 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 1316 Average Purge Rate (mL/min): 300 Date Calibrated: 10/7/25

SAMPLING DATA

Sample Date: 10/7/25 Sample Time: 1320 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, E. Neal

DATE: 10/13/25 WEATHER: 72° Overcast

MONITORING WELL ID: MW-27 SAMPLE ID: MW27-ROX-101325

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 50.04 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.08 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 45.56 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 39.79 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 8.96 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1205	41.31	light brown	none		4.696	0.783 mS/cm uS/cm	6.90	103.52	8
300	1206	41.31	↓	↓		4.653	0.785 mS/cm uS/cm	6.90	103.82	8
600	1207	41.31				4.576	0.787 mS/cm uS/cm	6.90	104.20	8
900	1208	↓				4.553	0.788 mS/cm uS/cm	6.90	104.55	8
1200	1209					4.551	0.790 mS/cm uS/cm	6.90	104.74	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					101325		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1205 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447716

Stop Time: 1209 Average Purge Rate (mL/min): 300 Date Calibrated: 10/13/25

SAMPLING DATA

Sample Date: 10/13/25 Sample Time: 1210 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * DO High * Appr. by TM

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, E. Neal

DATE: 10/13/25 WEATHER: 72° Cloudy

MONITORING WELL ID: MW-28 SAMPLE ID: MW28-ROX-101325

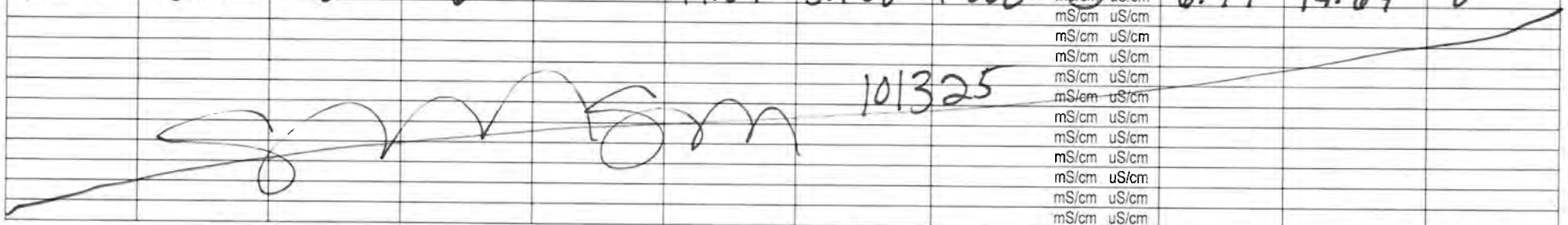
INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 43.86 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 40.22 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 33.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 7.64 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 41.22 ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1343	40.24	clear	none	18.66	3.229	1.066 mS/cm uS/cm	6.77	101.59	8
300	1344	40.24	↓	↓	18.91	3.189	1.067 mS/cm uS/cm	6.77	98.78	8
600	1345	40.24	↓	↓	18.76	3.215	1.066 mS/cm uS/cm	6.77	100.19	8
900	1346	↓	↓	↓	19.05	3.167	1.068 mS/cm uS/cm	6.77	96.00	8
1200	1347	↓	↓	↓	19.04	3.168	1.068 mS/cm uS/cm	6.77	94.64	8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			



Start Time: 1343 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -51337/44716

Stop Time: 1347 Average Purge Rate (mL/min): 300 Date Calibrated: 10/13/25

SAMPLING DATA

Sample Date: 10/13/25 Sample Time: 1350 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: SM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * DO suspect * advised TM: Recorded per TM

Estimated Total Purge Volume: 4,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/10/25 WEATHER: 67° Clear

MONITORING WELL ID: P-54 SAMPLE ID: P54-ROX-101025/(-MS/MSD)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 63.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.43 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.00 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 46.43 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 21.57 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1332	41.43	clear	none	16.99	4.762	1.023 mS/cm uS/cm	6.85	84.91	0
300	1334	41.43	↓	↓	16.94	4.771	1.024 mS/cm uS/cm	6.85	85.13	0
600	1335	41.43	↓	↓	16.88	4.774	1.024 mS/cm uS/cm	6.85	85.43	0
900	1336	↓	↓	↓	16.84	4.775	1.023 mS/cm uS/cm	6.85	85.69	0
1200					16.89	4.781	1.023 mS/cm uS/cm	6.85	86.26	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			

101025

Start Time: 1332 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/44716

Stop Time: 1336 Average Purge Rate (mL/min): 300 Date Calibrated: 10/10/25

SAMPLING DATA

Sample Date: 10/10/25 Sample Time: 1340 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * DO High - approved by TM *

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW **PROJECT NUMBER:** 60738191 - 3.4.1/2/3 **FIELD PERSONNEL:** Tony Jones

DATE: 10/13/25 **WEATHER:** 70's, cloudy

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

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 50.68 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): ~~40.55~~ 41.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT:	
Depth to LNAPL/DNAPL (btoc): ~~41.03~~ 41.34 ft	ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to Top of Screen (btoc): 40.43 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 221.4 ppm
Screen Length: 10 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
Water Column Height (not including NAPL): 10.13 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

TJ 10/13/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ **Initials:**

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL LNAPL is Present during Gauging.

Estimated Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mimossa Tjonkina

DATE: 10/17/25 WEATHER: partly cloudy 65°

MONITORING WELL ID: P56 SAMPLE ID: P56 - ROX - 101725

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 65.82 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 45.53 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 40.82 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 50.53 ft btoc	Wellbore PID/FID Reading: 124.4 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 20.29 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1007	45.57	Slight cloudy	Strong HO	17.9	0.47	1.337 mS/cm uS/cm	6.81	41.23	4.39
300	1008	45.58	Pale		17.9	0.43	1.326 mS/cm uS/cm	6.83	42.12	3.35
600	1009	45.58	↓	↓	18.0	0.41	1.317 mS/cm uS/cm	6.83	42.41	1.98
900	1010	45.58			18.0	0.40	1.307 mS/cm uS/cm	6.84	41.74	11.76
1200	1011	↓			18.0	0.38	1.300 mS/cm uS/cm	6.84	40.89	7.30
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

10/17/25

Start Time: 1007 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 51337/447NO

Stop Time: 1011 Average Purge Rate (mL/min): 300 Date Calibrated: 10/17/25

SAMPLING DATA

Sample Date: 10/17/25 Sample Time: 1015 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: M

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/16/25 WEATHER: 68° Overcast

MONITORING WELL ID: P-57 SAMPLE ID: P57-ROX-101625/(-EB)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 54.19 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 45.98 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 50.08 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 44.19 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 8.21 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1034	46.83	clear	none	18.15	0.341	1.076 mS/cm uS/cm	6.52	-15.53	8
300	1035	46.83	↓	↓	18.14	0.335	1.075 mS/cm uS/cm	6.53	-18.68	8
600	1036	46.83	↓	↓	18.14	0.333	1.074 mS/cm uS/cm	6.53	-20.34	8
900	1037	↓	↓	↓	18.14	0.331	1.074 mS/cm uS/cm	6.53	-21.98	0
1200	1038	↓	↓	↓	18.15	0.327	1.073 mS/cm uS/cm	6.54	-24.07	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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1011625

Start Time: 1034 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/447716

Stop Time: 1038 Average Purge Rate (mL/min): 300 Date Calibrated: 10/16/25

SAMPLING DATA

Sample Date: 10/16/25 Sample Time: 1040 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL EB collected @ 0835

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/16/25 WEATHER: 68° Partly Cloudy

MONITORING WELL ID: P-58 SAMPLE ID: P58-ROX-101625

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 65.21 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 43.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 40.21 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 48.35 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 21.86 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1338	43.43	clear	strong	46.98	0.289	1.209 mS/cm uS/cm	6.52	-218.08	12.68
300	1339	43.43	↓	↓	47.96	0.230	1.210 mS/cm uS/cm	6.53	-214.21	9.814
600	1340	43.43	↓	↓	48.03	0.231	1.208 mS/cm uS/cm	6.53	-216.59	9.427
900	1341	↓	↓	↓	49.09	0.229	1.207 mS/cm uS/cm	6.54	-218.74	8.814
1200	1342	↓	↓	↓	47.64	0.213	1.203 mS/cm uS/cm	6.54	-225.81	9.514
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

101625

Start Time: 1338 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/447160

Stop Time: 1342 Average Purge Rate (mL/min): 300 Date Calibrated: 10/16/25

SAMPLING DATA

Sample Date: 10/16/25 Sample Time: 1345 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mirassa Tsonking

DATE: 10/17/25 WEATHER: partly cloudy 72°

MONITORING WELL ID: P-59 SAMPLE ID: DSG-ROX-101725

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 72.91 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 46.45 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 47.91 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 52.91 ft btoc	Wellbore PID/FID Reading: 140.8 ppm
Screen Length: 25 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
Water Column Height (not including NAPL): 26.46 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1117	46.55	clear	slight HC	21.1	0.43	1.693 mS/cm uS/cm	6.88	-4.57	0.0
300	1118	46.55			21.3	0.40	1.693 mS/cm uS/cm	6.88	-10.38	0.0
600	1119	46.55			21.4	0.36	1.692 mS/cm uS/cm	6.88	-18.69	0.0
900	1120				21.5	0.34	1.692 mS/cm uS/cm	6.88	-25.39	0.0
1200	1121				21.5	0.32	1.691 mS/cm uS/cm	6.88	-34.34	0.0
1500	1122				21.6	0.31	1.690 mS/cm uS/cm	6.89	-41.43	0.0
1800	1123				21.7	0.30	1.689 mS/cm uS/cm	6.89	-49.91	0.0
2100	1124				21.6	0.29	1.686 mS/cm uS/cm	6.89	-57.19	0.0
2400	1125				21.6	0.28	1.683 mS/cm uS/cm	6.89	-64.52	0.0
2700	1126				21.7	0.28	1.671 mS/cm uS/cm	6.89	-72.50	0.0
3000	1127				21.1	0.28	1.665 mS/cm uS/cm	6.89	-77.20	0.0
3300	1128				21.0	0.27	1.656 mS/cm uS/cm	6.89	-82.99	0.0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

mm 10/17/25

Start Time: 1117 Elapsed Time (min): 11 Water Quality Meter ID & SN: YSI ProDSS -- 51337/44716

Stop Time: 1128 Average Purge Rate (mL/min): 300 Date Calibrated: 10/17/25

SAMPLING DATA

Sample Date: 10/17/25 Sample Time: 1135 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] Initials: mm

COMMENTS:

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

Estimated Total Purge Volume: 3,300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Tony Jones

DATE: 10/13/25 WEATHER: 70's, cloudy

MONITORING WELL ID: P-66 SAMPLE ID: NA

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 59.72 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 35.25 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 35.24 ft		
Depth to Top of Screen (btoc): 34.72 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.47 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

TS 10/13/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL LNAPL is Present during Gauging.

Estimated Total Purge Volume: mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Tony Jones

DATE: 10/13/25 WEATHER: 70's, cloudy

MONITORING WELL ID: P-68 SAMPLE ID: NA

INITIAL DATA

Well Diameter): 4 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 68.76 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 44.63 ft		
Depth to Top of Screen (btoc): 43.76 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 302.7 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 23.96 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

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

TS 10/13/25

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

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

SAMPLING DATA

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

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

VOA Vials, No Headspace ☐ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL LNAPL is present during Gauging.

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/16/25 | WEATHER: 68° Overcast

MONITORING WELL ID: P-74 | SAMPLE ID: P74-ROX-101625

INITIAL DATA

Well Diameter: 4 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 68.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.83 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 48.83 ft btoc	Wellbore PID/FID Reading: 0.3 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 26.15 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1141	42.93	clear	strong	18.98	0.550	0.874 mS/cm uS/cm	6.39	1.81	0
300	1142	42.93	↓	↓	18.95	0.538	0.875 mS/cm uS/cm	6.39	0.49	0
600	1143	42.93	↓	↓	19.00	0.513	0.874 mS/cm uS/cm	6.39	-2.18	0
900	1144	↓	↓	↓	19.06	0.502	0.873 mS/cm uS/cm	6.39	-3.45	0
1200	1145	↓	↓	↓	19.13	0.491	0.873 mS/cm uS/cm	6.39	-4.73	0
					101625		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1141 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 51337/44716

Stop Time: 1145 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/16/25

SAMPLING DATA

Sample Date: 10/16/25 | Sample Time: 1150 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SM

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mmassa Jenkins

DATE: 10/20/25 WEATHER: clear 55°

MONITORING WELL ID: P-93A SAMPLE ID: P93A - ROX - 102025

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 53.07 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.05 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 48.56 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.07 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.07 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	~~1026~~ 1046	44.12	clear	none	24.4	0.69	1.239 mS/cm uS/cm	6.76	-86.65	1.5
300	~~1027~~ 1047	44.12	↓	↓	24.4	0.63	1.239 mS/cm uS/cm	6.76	-91.57	1.4
600	~~1028~~ 1048	44.12	↓	↓	24.4	0.56	1.240 mS/cm uS/cm	6.76	-95.31	1.2
900	~~1029~~ 1049	↓	↓	↓	24.2	0.53	1.239 mS/cm uS/cm	6.77	-98.09	1.2
1200	~~1030~~ 1050	↓	↓	↓	24.1	0.52	1.237 mS/cm uS/cm	6.77	-100.20	~~1.5~~
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

10/20/25

Start Time: ~~1026~~ 1046 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 51301/~~45612~~

Stop Time: 1050 Average Purge Rate (mL/min): 300 Date Calibrated: 10/20/25

SAMPLING DATA

Sample Date: 10/20/25 Sample Time: 1055 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] Initials: m

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mmassa Tjenkins

DATE: 10/20/25 WEATHER: clear 61°

MONITORING WELL ID: P-93B SAMPLE ID: P93B - ROX - 102025

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 76.78 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 45.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 74.78 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 250.2 ppm
Screen Length: 2 ft		
Water Column Height (not including NAPL): 31.43 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 75.78 ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1135	45.35	clear	slight HC	23.6	0.64	1.046 mS/cm uS/cm	6.81	-80.83	2.1
300	1136	45.37	↓	↓	23.4	0.59	1.048 mS/cm uS/cm	6.81	-86.60	3.6
600	1137	45.37			23.5	0.55	1.0511 mS/cm uS/cm	6.81	-90.94	6.2
900	1138	45.37			22.4	0.57	1.053 mS/cm uS/cm	6.82	-93.45	4.5
1200	1139	↓			23.3	0.51	1.055 mS/cm uS/cm	6.82	-96.47	4.3
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

10/20/25

Start Time: 1135 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 51301/45612

Stop Time: 1139 Average Purge Rate (mL/min): 300 Date Calibrated: 10/20/25

SAMPLING DATA

Sample Date: 10/20/25 Sample Time: 1145 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: MMassa TJenkins

DATE: 10/20/25 WEATHER: clear 51°

MONITORING WELL ID: P-93C SAMPLE ID: P93C-ROX-102025

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 95.38 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 97.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 45.27 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 92.88 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 5 ft			
Water Column Height (not including NAPL): 52.63 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	0930	45.27	clear	none	21.8	0.56	0.504 mS/cm uS/cm	7.25	-45.40	3.7
300	0931	45.27			22.1	0.55	0.504 mS/cm uS/cm	7.25	-51.03	3.2
600	0932	45.25			22.2	0.54	0.504 mS/cm uS/cm	7.26	-56.32	2.8
900	0933	45.25			22.2	0.53	0.504 mS/cm uS/cm	7.26	-60.84	2.8
1200	0934	45.25			22.2	0.51	0.504 mS/cm uS/cm	7.26	-65.50	2.4
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

10/20/25

Start Time: 0930 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 51301/45612

Stop Time: 0934 Average Purge Rate (mL/min): 300 Date Calibrated: 10/20/25

SAMPLING DATA

Sample Date: 10/20/25 Sample Time: 0940 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: MMassa TJones ENeal

DATE: 10/20/25 WEATHER: clear 63°

MONITORING WELL ID: P-93D SAMPLE ID: P93D-ROX-102025

INITIAL DATA

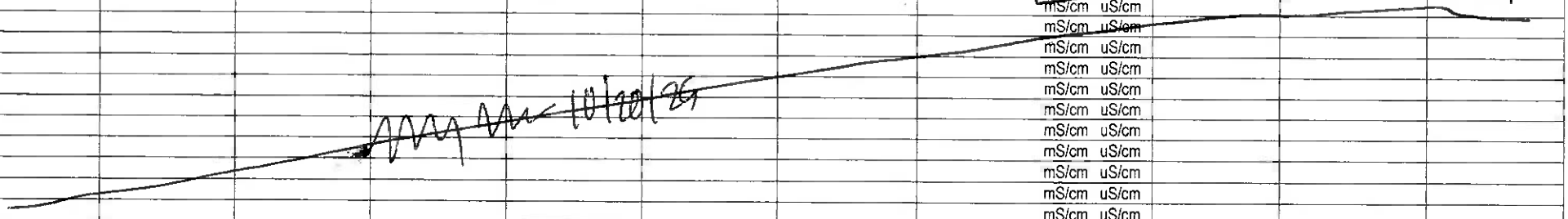
Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 127.91 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 45.51 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 125.66 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 126.66 ft btoc
Screen Length: 2 ft	
Water Column Height (not including NAPL): — ft	

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

PURGE DATA

Pump Type: Dedicated Well Wizard

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1214	45.51	clear	None	25.29	0.719	1.017 mS/cm uS/cm	7.21	-71.80	2.94
300	1215	↓	clear	None	25.38	0.62	1.007 mS/cm uS/cm	7.16	-81.3	2.84
600	1216		clear	None	25.39	0.59	1.007 mS/cm uS/cm	7.15	-82.99	3.01
900	1217		clear	None	25.41	0.54	1.008 mS/cm uS/cm	7.14	-85.92	3.63
1200	1218		clear	None	25.37	0.53	1.016 mS/cm uS/cm	7.14	-89.09	5.21
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			



Start Time: 1214 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 51301/45612

Stop Time: 1218 Average Purge Rate (mL/min): 300 Date Calibrated: 10/20/25

SAMPLING DATA

Sample Date: 10/20/25 Sample Time: 1220 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

mmassa, TJones

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/9/25 | WEATHER: 60° Clear

MONITORING WELL ID: P-114R | SAMPLE ID: P114R-ROX-100925

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc
Total Well Depth (btoc): 33.31 ft	
Depth to Water (btoc): 27.31 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 30.39 ~~30.31~~ ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 23.01 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 5.84 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc

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

PURGE DATA

Pump Type: QED bladder pump ~~Stainless Steel Submersible Pump~~

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1303	27.46	Slight Cloudy	~~Sl~~ Mod	21.7	1.86	1.068 ~~mS/cm~~ uS/cm	6.67	-78.79	54.0
300	1306	27.46	↓	↓	21.9	1.76	1.062 ~~mS/cm~~ uS/cm	6.67	-80.40	49.4
600	1309	27.46	↓	↓	21.6	1.68	1.055 ~~mS/cm~~ uS/cm	6.67	-81.81	44.8
900	1312	↓	↓	↓	21.5	1.64	1.049 ~~mS/cm~~ uS/cm	6.67	-83.39	41.2
1200	1315	↓	↓	↓	21.3	1.62	1.044 ~~mS/cm~~ uS/cm	6.68	-83.87	39.7
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			
							~~mS/cm~~ uS/cm			

10/9/25

Start Time: 1303 | Elapsed Time (min): 12 | Water Quality Meter ID & SN: YSI ProDSS -- ~~51337/44714~~ 51301/45612

Stop Time: 1315 | Average Purge Rate (mL/min): ~~300~~ 100 | Date Calibrated: 10/9/25

SAMPLING DATA

Sample Date: 10/9/25 | Sample Time: 1320 | Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow | Sample Flow Rate (mL/min): ~~300~~ 100 | QA/QCSamples: ~~N/A~~ EB

VOA Vials, No Headspace ☒ | Initials: ~~SMK~~ mm

COMMENTS:

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

DTB = 33.42 btoc

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: Mmassa Tshikuna

DATE: 10/17/25 WEATHER: partly cloudy 76°

MONITORING WELL ID: T-12 SAMPLE ID: T12-ROX-101725

INITIAL DATA

Well Diameter: 6 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 72.83 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 44.67 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 51.83 ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 46.83 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 26 ft	Volume of Flow Through Cell: 320* mL
Water Column Height (not including NAPL): 28.16 ft	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
	Ambient PID/FID Reading: 0.0 ppm
	Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1240	~~44.73~~	clear	slight HC	20.8	0.64	1.436 mS/cm uS/cm	6.90	-13.02	0.0
300	1241	44.73			21.0	0.53	1.432 mS/cm uS/cm	6.89	-28.40	0.0
600	1242	44.73			21.1	0.49	1.429 mS/cm uS/cm	6.89	-43.43	0.0
900	1243				21.1	0.47	1.427 mS/cm uS/cm	6.89	-59.72	0.0
1200	1244				21.1	0.43	1.424 mS/cm uS/cm	6.89	-76.65	0.0
1500	1245				21.0	0.41	1.421 mS/cm uS/cm	6.89	-94.25	0.0
1800	1246				20.8	0.39	1.419 mS/cm uS/cm	6.89	-109.76	0.0
2100	1247				21.0	0.37	1.416 mS/cm uS/cm	6.89	-124.52	0.0
2400	1248				20.+	0.36	1.415 mS/cm uS/cm	6.89	-138.29	0.0
2700	1249				20.5	0.34	1.409 mS/cm uS/cm	6.90	-141.81	0.0
3000	1250				20.5	0.33	1.407 mS/cm uS/cm	6.90	-149.12	0.0
3300	1251				20.7	0.32	1.406 mS/cm uS/cm	6.90	-155.05	0.0
3600	1252				20.7	0.32	1.405 mS/cm uS/cm	6.90	-161.57	0.0
3900	1253				20.7	0.31	1.405 mS/cm uS/cm	6.89	-165.85	0.0
							mS/cm uS/cm			
							mS/cm uS/cm			

MM 10/17/25

Start Time: 1240 Elapsed Time (min): 13 Water Quality Meter ID & SN: YSI ProDSS - 51337/44716

Stop Time: 1253 Average Purge Rate (mL/min): 300 Date Calibrated: 10/17/25

SAMPLING DATA

Sample Date: 10/17/25 Sample Time: 1300 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 3900 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW | PROJECT NUMBER: 60738191 - 3.4.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/14/25 | WEATHER: 67° Clear

MONITORING WELL ID: ROST-3-MW | SAMPLE ID: ROST3MW-ROX-101425

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 48.06 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 44.82 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 37.81 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 6.48 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0951	41.63	clear	none	17.87	0.443	1.051 mS/cm uS/cm	6.79	63.45	8
300	0952	41.63	↓	↓	17.90	0.441	1.051 mS/cm uS/cm	6.79	59.43	8
600	0953	41.63	↓	↓	17.92	0.440	1.051 mS/cm uS/cm	6.79	57.16	0
900	0954	↓	↓	↓	17.95	0.440	1.051 mS/cm uS/cm	6.79	54.40	0
1200	0955	↓	↓	↓	18.06	0.437	1.051 mS/cm uS/cm	6.80	48.40	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			

101425

Start Time: 0951 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 51337/447/6

Stop Time: 0955 | Average Purge Rate (mL/min): 300 | Date Calibrated: 10/14/25

SAMPLING DATA

Sample Date: 10/14/25 | Sample Time: 1000 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☐ | Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/15/25 WEATHER: 67° Partly Cloudy

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: ROST4PZC-ROX-101525

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 45.20 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.20 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 43.20 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.95 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 4 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1011	41.43	Black/Gray	strong	20.86	4.125	1.510 mS/cm uS/cm	7.07	-178.34	1.251
300	1012	41.43	↓	↓	21.02	4.107	1.506 mS/cm uS/cm	7.07	-178.50	1.035
600	1013	41.45			21.26	4.067	1.500 mS/cm uS/cm	7.07	-178.70	0.750
900	1014	41.46			20.84	4.051	1.499 mS/cm uS/cm	7.08	-178.71	-0.715
1200	1015	41.46			21.34	4.036	1.493 mS/cm uS/cm	7.07	-178.65	6.942
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

101525

Start Time: 1011 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 51337/~~447~~ 210760

Stop Time: 1015 Average Purge Rate (mL/min): 300 Date Calibrated: 10/15/25

SAMPLING DATA

Sample Date: 10/15/25 Sample Time: 1020 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace: Y Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * DO High * water black/gray

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/14/25 WEATHER: 67° Clear

MONITORING WELL ID: ROST-4-PZ(E) SAMPLE ID: ROST4PZE-ROX-101425

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 39.53 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.26 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.75 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 5.47 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1124	39.85	clear	none	18.75	3.436	1.733 mS/cm uS/cm	6.85	77.24	0
300	1125	39.85	↓	↓	18.79	3.439	1.732 mS/cm uS/cm	6.85	77.29	0
600	1126	39.85	↓	↓	18.75	3.432	1.722 mS/cm uS/cm	6.85	77.59	0
900	1127	↓	↓	↓	18.73	3.424	1.716 mS/cm uS/cm	6.85	77.54	0
1200	1128	↓	↓	↓	18.88	3.381	1.701 mS/cm uS/cm	6.85	77.39	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

101425

Start Time: 1124 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/447/6

Stop Time: 1128 Average Purge Rate (mL/min): 300 Date Calibrated: 10/14/25

SAMPLING DATA

Sample Date: 10/14/25 Sample Time: 1130 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 4Q25 GW PROJECT NUMBER: 60738191 - 3.4.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 10/15/25 WEATHER: 67° Partly

MONITORING WELL ID: ROST-4-PZ(G) SAMPLE ID: ROST4PZG-ROX-101525

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 44.53 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.53 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.28 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 3 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 42.53 ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1155	41.60	clear	none	21.16	4.043	1.444 mS/cm uS/cm	6.94	-151.75	0
300	1156	41.60	↓	↓	21.12	4.023	1.442 mS/cm uS/cm	6.94	-151.91	0
600	1157	41.60	↓	↓	21.14	4.00	1.440 mS/cm uS/cm	6.94	-152.05	0
900	1158	↓	↓	↓	21.10	3.981	1.441 mS/cm uS/cm	6.94	-152.23	0
1200	1159	↓	↓	↓	21.16	3.968	1.440 mS/cm uS/cm	6.94	-152.33	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			

101525

Start Time: 1155 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 51337/210760

Stop Time: 1159 Average Purge Rate (mL/min): 300 Date Calibrated: 10/15/25

SAMPLING DATA

Sample Date: 10/15/25 Sample Time: 1200 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * DO suspect * Approved by TM.

Estimated Total Purge Volume: 1,200 mL

Appendix C

Analytical Results and Data Review/Validation

Appendix C – 1 WRR Data – Fourth Quarter 2025

Appendix C – 2 Roxana Data – Third Quarter 2025

Appendix C – 3 Roxana Data – Fourth Quarter 2025

Laboratory Report Reviewed: 400-283672-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/03/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/20/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			The MS/MSD was performed on T13-WRR-100625-EB.
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method	X			
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

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

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/21/2025 7:19:59 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-283672-1

Reviewed By: SS 12/03/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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10/21/2025 7:19:59 AM

Authorized for release by
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Job Narrative
400-283672-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/7/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (400-283701-G-5-A), (400-283701-G-5-B MS) and (400-283701-G-5-C MSD). These results have been reported and qualified.

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

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

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283672-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283672-1	TB-WRR-100625	Water	10/06/25 00:00	10/07/25 09:50	Illinois
400-283672-2	T13-WRR-100625-EB	Water	10/06/25 08:10	10/07/25 09:50	Illinois
400-283672-3	T13-WRR-100625	Water	10/06/25 11:10	10/07/25 09:50	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283672-1

Client Sample ID: TB-WRR-100625 — Lab Sample ID: 400-283672-1

No Detections.

Client Sample ID: T13-WRR-100625-EB — Lab Sample ID: 400-283672-2

No Detections.

Client Sample ID: T13-WRR-100625 — Lab Sample ID: 400-283672-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	88		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.2	J	5.0	0.92	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-100625
Lab Sample ID: 400-283672-1
Date Collected: 10/06/25 00:00
Matrix: Water
Date Received: 10/07/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 14:08	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 14:08	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 14:08	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 14:08	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 14:08	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 14:08	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*		*10/14/25 14:08*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/14/25 14:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/14/25 14:08*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*10/14/25 14:08*	*1*

Client Sample ID: T13-WRR-100625-EB
Lab Sample ID: 400-283672-2
Date Collected: 10/06/25 08:10
Matrix: Water
Date Received: 10/07/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 15:25	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 15:25	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 15:25	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 15:25	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 15:25	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 15:25	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*75 - 120*		*10/14/25 15:25*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/14/25 15:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/14/25 15:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/14/25 15:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/08/25 10:18	10/10/25 20:22	1
Phenol	ND		10	0.70	ug/L		10/08/25 10:18	10/10/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*77*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:22*	*1*
Terphenyl-d14	*90*		*43 - 147*	*10/08/25 10:18*	*10/10/25 20:22*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:22*	*1*
2-Fluorobiphenyl	*86*		*15 - 150*	*10/08/25 10:18*	*10/10/25 20:22*	*1*
2-Fluorophenol	*88*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:22*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*10/08/25 10:18*	*10/10/25 20:22*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/09/25 08:24	10/11/25 14:14	1
Barium, Dissolved	ND		10	1.2	ug/L		10/09/25 08:24	10/11/25 14:14	1

Client Sample ID: T13-WRR-100625-EB
Lab Sample ID: 400-283672-2
Date Collected: 10/06/25 08:10
Matrix: Water
Date Received: 10/07/25 09:50

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/09/25 08:24	10/11/25 14:14	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/09/25 08:24	10/13/25 18:29	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/09/25 08:24	10/11/25 14:14	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/09/25 08:24	10/11/25 14:14	1

Client Sample ID: T13-WRR-100625
Lab Sample ID: 400-283672-3
Date Collected: 10/06/25 11:10
Matrix: Water
Date Received: 10/07/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 20:28	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 20:28	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 20:28	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 20:28	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 20:28	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 20:28	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*108*		*75 - 120*		*10/14/25 20:28*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/14/25 20:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/14/25 20:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/14/25 20:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/08/25 10:18	10/10/25 20:52	1
Phenol	ND		10	0.69	ug/L		10/08/25 10:18	10/10/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*79*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:52*	*1*
Terphenyl-d14	*61*		*43 - 147*	*10/08/25 10:18*	*10/10/25 20:52*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:52*	*1*
2-Fluorobiphenyl	*91*		*15 - 150*	*10/08/25 10:18*	*10/10/25 20:52*	*1*
2-Fluorophenol	*92*		*10 - 150*	*10/08/25 10:18*	*10/10/25 20:52*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*10/08/25 10:18*	*10/10/25 20:52*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/09/25 08:24	10/11/25 14:37	1
Barium, Dissolved	**88**		10	1.2	ug/L		10/09/25 08:24	10/11/25 14:37	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/09/25 08:24	10/11/25 14:37	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/09/25 08:24	10/13/25 18:51	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/09/25 08:24	10/11/25 14:37	1
Vanadium, Dissolved	**1.2**	**J**	5.0	0.92	ug/L		10/09/25 08:24	10/11/25 14:37	1

Definitions/Glossary

Client: AECOM
Job ID: 400-283672-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283672-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Lab Chronicle

Client: AECOM
Job ID: 400-283672-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-100625
Lab Sample ID: 400-283672-1
Date Collected: 10/06/25 00:00
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 14:08

Client Sample ID: T13-WRR-100625-EB
Lab Sample ID: 400-283672-2
Date Collected: 10/06/25 08:10
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 15:25
Total/NA	Prep	3511			726052	RAW	EET PEN	10/08/25 10:18
Total/NA	Analysis	8270E		1	726439	JAW	EET PEN	10/10/25 20:22
Total/NA	Prep	3511			726052	RAW	EET PEN	10/08/25 10:18
Total/NA	Analysis	8270E		1	726440	JAW	EET PEN	10/10/25 20:22
Dissolved	Prep	3005A			837411	BDE	EET CHI	10/09/25 08:24 - 10/09/25 14:24 [1]
Dissolved	Analysis	6010D		1	837808	S1Z	EET CHI	10/11/25 14:14
Dissolved	Prep	3005A			837411	BDE	EET CHI	10/09/25 08:24 - 10/09/25 14:24 [1]
Dissolved	Analysis	6010D		1	837986	S1Z	EET CHI	10/13/25 18:29

Client Sample ID: T13-WRR-100625
Lab Sample ID: 400-283672-3
Date Collected: 10/06/25 11:10
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 20:28
Total/NA	Prep	3511			726052	RAW	EET PEN	10/08/25 10:18
Total/NA	Analysis	8270E		1	726439	JAW	EET PEN	10/10/25 20:52
Total/NA	Prep	3511			726052	RAW	EET PEN	10/08/25 10:18
Total/NA	Analysis	8270E		1	726440	JAW	EET PEN	10/10/25 20:52
Dissolved	Prep	3005A			837411	BDE	EET CHI	10/09/25 08:24 - 10/09/25 14:24 [1]
Dissolved	Analysis	6010D		1	837808	S1Z	EET CHI	10/11/25 14:37
Dissolved	Prep	3005A			837411	BDE	EET CHI	10/09/25 08:24 - 10/09/25 14:24 [1]
Dissolved	Analysis	6010D		1	837986	S1Z	EET CHI	10/13/25 18:51

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283672-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-126)	(72-124)
400-283672-1	TB-WRR-100625	102	99	100	103
400-283672-2	T13-WRR-100625-EB	106	98	99	99
400-283672-3	T13-WRR-100625	108	97	100	99
LCS 500-837982/5	Lab Control Sample	95	100	92	96
LCSD 500-837982/6	Lab Control Sample Dup	96	98	96	97
MB 500-837982/10	Method Blank	101	99	98	102

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-283672-2	T13-WRR-100625-EB	77	90	86	88	88	92
400-283672-3	T13-WRR-100625	79	61	91	89	92	93
400-283701-G-5-B MS	Matrix Spike	114	59	86	89	94	49 S1-
400-283701-G-5-C MSD	Matrix Spike Duplicate	118	55	84	87	96	44 S1-
LCS 400-726052/2-A	Lab Control Sample	121	88	91	105	102	78
MB 400-726052/1-A	Method Blank	98	96	99	103	96	80

Surrogate Legend

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

QC Association Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283672-1

GC/MS VOA

Analysis Batch: 837982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-1	TB-WRR-100625	Total/NA	Water	8260D	
400-283672-2	T13-WRR-100625-EB	Total/NA	Water	8260D	
400-283672-3	T13-WRR-100625	Total/NA	Water	8260D	
MB 500-837982/10	Method Blank	Total/NA	Water	8260D	
LCS 500-837982/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-837982/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Total/NA	Water	3511	
400-283672-3	T13-WRR-100625	Total/NA	Water	3511	
MB 400-726052/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	3511	
400-283701-G-5-B MS	Matrix Spike	Total/NA	Water	3511	
400-283701-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 726375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-726052/1-A	Method Blank	Total/NA	Water	8270E	726052
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	8270E	726052
400-283701-G-5-B MS	Matrix Spike	Total/NA	Water	8270E	726052
400-283701-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726052

Analysis Batch: 726376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-726052/1-A	Method Blank	Total/NA	Water	8270E	726052
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	8270E	726052
400-283701-G-5-B MS	Matrix Spike	Total/NA	Water	8270E	726052
400-283701-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726052

Analysis Batch: 726439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Total/NA	Water	8270E	726052
400-283672-3	T13-WRR-100625	Total/NA	Water	8270E	726052

Analysis Batch: 726440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Total/NA	Water	8270E	726052
400-283672-3	T13-WRR-100625	Total/NA	Water	8270E	726052

Metals

Prep Batch: 837411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Dissolved	Water	3005A	
400-283672-3	T13-WRR-100625	Dissolved	Water	3005A	
MB 500-837411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-837411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-283672-2 MS	T13-WRR-100625-EB	Dissolved	Water	3005A	
400-283672-2 MSD	T13-WRR-100625-EB	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 837411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2 DU	T13-WRR-100625-EB	Dissolved	Water	3005A	

Analysis Batch: 837808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-3	T13-WRR-100625	Dissolved	Water	6010D	837411
MB 500-837411/1-A	Method Blank	Total Recoverable	Water	6010D	837411
LCS 500-837411/2-A	Lab Control Sample	Total Recoverable	Water	6010D	837411
400-283672-2 MS	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-2 MSD	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-2 DU	T13-WRR-100625-EB	Dissolved	Water	6010D	837411

Analysis Batch: 837986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283672-2	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-3	T13-WRR-100625	Dissolved	Water	6010D	837411
MB 500-837411/1-A	Method Blank	Total Recoverable	Water	6010D	837411
LCS 500-837411/2-A	Lab Control Sample	Total Recoverable	Water	6010D	837411
400-283672-2 MS	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-2 MSD	T13-WRR-100625-EB	Dissolved	Water	6010D	837411
400-283672-2 DU	T13-WRR-100625-EB	Dissolved	Water	6010D	837411

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

Lab Sample ID: MB 500-837982/10
Matrix: Water
Analysis Batch: 837982

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 13:16	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 13:16	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 13:16	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 13:16	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 13:16	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 13:16	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*		*10/14/25 13:16*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/14/25 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/14/25 13:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*10/14/25 13:16*	*1*

Lab Sample ID: LCS 500-837982/5
Matrix: Water
Analysis Batch: 837982

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	48.6		ug/L		97	70 - 120		
Toluene			50.0	50.7		ug/L		101	70 - 125		
Ethylbenzene			50.0	46.0		ug/L		92	70 - 123		
Xylenes, Total			100	93.3		ug/L		93	70 - 125		
o-Xylene			50.0	46.1		ug/L		92	70 - 120		
m-Xylene & p-Xylene			50.0	47.3		ug/L		95	70 - 125		
Naphthalene			50.0	43.3		ug/L		87	53 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*

Lab Sample ID: LCSD 500-837982/6
Matrix: Water
Analysis Batch: 837982

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	51.0		ug/L		102	70 - 120	5	20
Toluene			50.0	53.0		ug/L		106	70 - 125	4	20
Ethylbenzene			50.0	49.8		ug/L		100	70 - 123	8	20
Xylenes, Total			100	98.7		ug/L		99	70 - 125	6	20
o-Xylene			50.0	49.3		ug/L		99	70 - 120	7	20
m-Xylene & p-Xylene			50.0	49.4		ug/L		99	70 - 125	4	20
Naphthalene			50.0	47.7		ug/L		95	53 - 144	10	20

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

Lab Sample ID: LCSD 500-837982/6
Matrix: Water
Analysis Batch: 837982

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*

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

Lab Sample ID: MB 400-726052/1-A
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/08/25 10:18	10/10/25 14:51	1
Phenol	ND		10	0.68	ug/L		10/08/25 10:18	10/10/25 14:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*98*		*10 - 150*	*10/08/25 10:18*	*10/10/25 14:51*	*1*
Terphenyl-d14	*96*		*43 - 147*	*10/08/25 10:18*	*10/10/25 14:51*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*10/08/25 10:18*	*10/10/25 14:51*	*1*
2-Fluorobiphenyl	*99*		*15 - 150*	*10/08/25 10:18*	*10/10/25 14:51*	*1*
2-Fluorophenol	*96*		*10 - 150*	*10/08/25 10:18*	*10/10/25 14:51*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*10/08/25 10:18*	*10/10/25 14:51*	*1*

Lab Sample ID: LCS 400-726052/2-A
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	33.3	29.6		ug/L		89	24 - 150
Phenol	33.3	43.0		ug/L		129	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*121*		*10 - 150*
Terphenyl-d14	*88*		*43 - 147*
2,4,6-Tribromophenol	*105*		*10 - 150*
2-Fluorobiphenyl	*91*		*15 - 150*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*78*		*50 - 150*

Lab Sample ID: 400-283701-G-5-B MS
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	0.62		33.0	31.5		ug/L		94	50 - 150
Phenol	ND		33.0	38.3		ug/L		116	50 - 150

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

Lab Sample ID: 400-283701-G-5-B MS
Matrix: Water
Analysis Batch: 726376

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726052

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*114*		*10 - 150*
Terphenyl-d14	*59*		*43 - 147*
2,4,6-Tribromophenol	*89*		*10 - 150*
2-Fluorobiphenyl	*86*		*15 - 150*
2-Fluorophenol	*94*		*10 - 150*
Nitrobenzene-d5	*49*	*S1-*	*50 - 150*

Lab Sample ID: 400-283701-G-5-C MSD
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	0.62		33.2	29.8		ug/L		88	50 - 150	6	40
Phenol	ND		33.2	42.5		ug/L		128	50 - 150	10	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*55*		*43 - 147*
2,4,6-Tribromophenol	*87*		*10 - 150*
2-Fluorobiphenyl	*84*		*15 - 150*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*44*	*S1-*	*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-837411/1-A
Matrix: Water
Analysis Batch: 837808

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 837411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/09/25 08:24	10/11/25 14:06	1
Barium, Dissolved	ND		10	1.2	ug/L		10/09/25 08:24	10/11/25 14:06	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/09/25 08:24	10/11/25 14:06	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/09/25 08:24	10/11/25 14:06	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/09/25 08:24	10/11/25 14:06	1

Lab Sample ID: MB 500-837411/1-A
Matrix: Water
Analysis Batch: 837986

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 837411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	ND		10	4.8	ug/L		10/09/25 08:24	10/13/25 18:20	1

Lab Sample ID: LCS 500-837411/2-A
Matrix: Water
Analysis Batch: 837808

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 837411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic, Dissolved			100	102		ug/L		102	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-837411/2-A
Matrix: Water
Analysis Batch: 837808

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 837411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium, Dissolved	500	506		ug/L		101	80 - 120
Cobalt, Dissolved	500	513		ug/L		103	80 - 120
Lead, Dissolved	100	105		ug/L		105	80 - 120
Vanadium, Dissolved	500	509		ug/L		102	80 - 120

Lab Sample ID: LCS 500-837411/2-A
Matrix: Water
Analysis Batch: 837986

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 837411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel, Dissolved	500	506		ug/L		101	80 - 120

Lab Sample ID: 400-283672-2 MS
Matrix: Water
Analysis Batch: 837808

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	96.6		ug/L		97	75 - 125
Barium, Dissolved	ND		500	483		ug/L		97	75 - 125
Cobalt, Dissolved	ND		500	496		ug/L		99	75 - 125
Lead, Dissolved	ND		100	101		ug/L		101	75 - 125
Vanadium, Dissolved	ND		500	492		ug/L		98	75 - 125

Lab Sample ID: 400-283672-2 MS
Matrix: Water
Analysis Batch: 837986

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel, Dissolved	ND		500	491		ug/L		98	75 - 125

Lab Sample ID: 400-283672-2 MSD
Matrix: Water
Analysis Batch: 837808

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	99.3		ug/L		99	75 - 125	3	20
Barium, Dissolved	ND		500	500		ug/L		100	75 - 125	4	20
Cobalt, Dissolved	ND		500	509		ug/L		102	75 - 125	3	20
Lead, Dissolved	ND		100	104		ug/L		104	75 - 125	3	20
Vanadium, Dissolved	ND		500	503		ug/L		101	75 - 125	2	20

Lab Sample ID: 400-283672-2 MSD
Matrix: Water
Analysis Batch: 837986

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel, Dissolved	ND		500	503		ug/L		101	75 - 125	3	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-283672-2 DU
Matrix: Water
Analysis Batch: 837808

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	ND			ND		ug/L				NC	20
Barium, Dissolved	ND			ND		ug/L				NC	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Lab Sample ID: 400-283672-2 DU
Matrix: Water
Analysis Batch: 837986

Client Sample ID: T13-WRR-100625-EB
Prep Type: Dissolved
Prep Batch: 837411

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nickel, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

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

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

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

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/6/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of ___1___
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Refinery 2H Semiannual 60771235 – 6.1.2

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

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: WRR 2H25 Groundwater

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

SAMPLER NAME(S) (Print): Mary Massa, Tony Jones

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

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

☐ LA RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Dissolved metals are field filtered.**
*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-100625	10/6/2025	0000	Water	2					2	X			
	T13-WRR-100625-EB	10/6/2025	0810	Water	3	1		4		8	X	X	X	X
	T13-WRR-100625	10/6/2025	1110	Water	3	1		4		8	X	X	X	X

400-283672 Chain of Custody

Relinquished by: (Signature) *MARY MASSA*	Received by: (Signature) FEDEX: 4234 9608 5432	Date: 10/6/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Bankston	Date: 10/7/25 (EEST)	Time: 950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS. 2698069 2698068

1.5°C/IR10

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850 478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-386640 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et.eurofinsus.com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400-283672 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/16/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708 534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

400-283672 COC

Analysis Requested

Preservation Codes.

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TB WRR-100625 (400 283672-1)	10/6/25	Central	G	Water			X		2	
T13-WRR 100625 EB (400 283672-2)	10/6/25	08 10 Central	G	Water			X	X	4	
T13 WRR-100625 (400-283672-3)	10/6/25	11 10 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10/7/25 1700	[illegible]	[signature]	10/8/25 0935	EETN
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.0 -> 0.0

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283672-1

Login Number: 283672
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283672-1

Login Number: 283672
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/08/25 06:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283672-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283767-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/03/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/20/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method	X			
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

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

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/21/2025 7:24:34 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-283767-1

Reviewed By: SS 12/03/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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10/21/2025 7:24:34 AM

Authorized for release by
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Job Narrative
400-283767-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/8/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

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

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

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

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283767-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283767-1	TB-WRR-100725	Water	10/07/25 00:00	10/08/25 09:15	Illinois
400-283767-2	P85C-WRR-100725	Water	10/07/25 11:20	10/08/25 09:15	Illinois
400-283767-3	T41-WRR-100725	Water	10/07/25 12:20	10/08/25 09:15	Illinois
400-283767-4	P85B-WRR-100725	Water	10/07/25 13:35	10/08/25 09:15	Illinois
400-283767-5	P85B-WRR-100725-DUP	Water	10/07/25 13:35	10/08/25 09:15	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283767-1

Client Sample ID: TB-WRR-100725 — Lab Sample ID: 400-283767-1

No Detections.

Client Sample ID: P85C-WRR-100725 — Lab Sample ID: 400-283767-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	4.4	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	190		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: T41-WRR-100725 — Lab Sample ID: 400-283767-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.34	J	0.50	0.20	ug/L	1		8260D	Total/NA
Xylenes, Total	0.38	J	1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	0.38	J	0.50	0.21	ug/L	1		8260D	Total/NA
Arsenic, Dissolved	4.3	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	32		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	61		5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P85B-WRR-100725 — Lab Sample ID: 400-283767-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	67		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.7	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P85B-WRR-100725-DUP — Lab Sample ID: 400-283767-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	73		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.9	J	5.0	0.92	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-100725

Lab Sample ID: 400-283767-1

Date Collected: 10/07/25 00:00

Matrix: Water

Date Received: 10/08/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 15:53	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 15:53	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/13/25 15:53	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/13/25 15:53	1
o-Xylene	ND		0.50	0.21	ug/L			10/13/25 15:53	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 15:53	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*75 - 120*		*10/13/25 15:53*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*10/13/25 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/13/25 15:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/13/25 15:53*	*1*

Client Sample ID: P85C-WRR-100725

Lab Sample ID: 400-283767-2

Date Collected: 10/07/25 11:20

Matrix: Water

Date Received: 10/08/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 21:31	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 21:31	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/13/25 21:31	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/13/25 21:31	1
o-Xylene	ND		0.50	0.21	ug/L			10/13/25 21:31	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 21:31	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*75 - 120*		*10/13/25 21:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/13/25 21:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/13/25 21:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/13/25 21:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/11/25 12:37	10/18/25 22:21	1
Phenol	ND		10	0.69	ug/L		10/11/25 12:37	10/18/25 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*79*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:21*	*1*
Terphenyl-d14	*63*		*43 - 147*	*10/11/25 12:37*	*10/18/25 22:21*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:21*	*1*
2-Fluorobiphenyl	*71*		*15 - 150*	*10/11/25 12:37*	*10/18/25 22:21*	*1*
2-Fluorophenol	*86*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:21*	*1*
Nitrobenzene-d5	*76*		*50 - 150*	*10/11/25 12:37*	*10/18/25 22:21*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**4.4**	**J**	10	3.7	ug/L		10/14/25 09:55	10/15/25 22:51	1
Barium, Dissolved	**190**		10	1.2	ug/L		10/14/25 09:55	10/15/25 22:51	1

Client Sample ID: P85C-WRR-100725
Lab Sample ID: 400-283767-2
Date Collected: 10/07/25 11:20
Matrix: Water
Date Received: 10/08/25 09:15

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 22:51	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 22:51	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 22:51	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/14/25 09:55	10/15/25 22:51	1

Client Sample ID: T41-WRR-100725
Lab Sample ID: 400-283767-3
Date Collected: 10/07/25 12:20
Matrix: Water
Date Received: 10/08/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 21:57	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 21:57	1
Ethylbenzene	**0.34**	**J**	0.50	0.20	ug/L			10/13/25 21:57	1
Xylenes, Total	**0.38**	**J**	1.0	0.30	ug/L			10/13/25 21:57	1
o-Xylene	**0.38**	**J**	0.50	0.21	ug/L			10/13/25 21:57	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 21:57	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*75 - 120*		*10/13/25 21:57*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/13/25 21:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/13/25 21:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/13/25 21:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/11/25 12:37	10/18/25 22:52	1
Phenol	ND		9.9	0.68	ug/L		10/11/25 12:37	10/18/25 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*79*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:52*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/11/25 12:37*	*10/18/25 22:52*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:52*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*10/11/25 12:37*	*10/18/25 22:52*	*1*
2-Fluorophenol	*87*		*10 - 150*	*10/11/25 12:37*	*10/18/25 22:52*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*10/11/25 12:37*	*10/18/25 22:52*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**4.3**	**J**	10	3.7	ug/L		10/14/25 09:55	10/15/25 22:55	1
Barium, Dissolved	**32**		10	1.2	ug/L		10/14/25 09:55	10/15/25 22:55	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 22:55	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 22:55	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 22:55	1
Vanadium, Dissolved	**61**		5.0	0.92	ug/L		10/14/25 09:55	10/15/25 22:55	1

Client Sample ID: P85B-WRR-100725

Lab Sample ID: 400-283767-4

Date Collected: 10/07/25 13:35

Matrix: Water

Date Received: 10/08/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 22:22	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 22:22	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/13/25 22:22	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/13/25 22:22	1
o-Xylene	ND		0.50	0.21	ug/L			10/13/25 22:22	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 22:22	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*75 - 120*		*10/13/25 22:22*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/13/25 22:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/13/25 22:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/13/25 22:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/11/25 12:37	10/18/25 23:23	1
Phenol	ND		10	0.69	ug/L		10/11/25 12:37	10/18/25 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*81*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:23*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/11/25 12:37*	*10/18/25 23:23*	*1*
2,4,6-Tribromophenol	*81*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:23*	*1*
2-Fluorobiphenyl	*68*		*15 - 150*	*10/11/25 12:37*	*10/18/25 23:23*	*1*
2-Fluorophenol	*88*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:23*	*1*
Nitrobenzene-d5	*78*		*50 - 150*	*10/11/25 12:37*	*10/18/25 23:23*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/14/25 09:55	10/15/25 23:00	1
Barium, Dissolved	**67**		10	1.2	ug/L		10/14/25 09:55	10/15/25 23:00	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 23:00	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 23:00	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 23:00	1
Vanadium, Dissolved	**1.7**	**J**	5.0	0.92	ug/L		10/14/25 09:55	10/15/25 23:00	1

Client Sample ID: P85B-WRR-100725-DUP

Lab Sample ID: 400-283767-5

Date Collected: 10/07/25 13:35

Matrix: Water

Date Received: 10/08/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 22:48	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 22:48	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/13/25 22:48	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/13/25 22:48	1
o-Xylene	ND		0.50	0.21	ug/L			10/13/25 22:48	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 22:48	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 22:48	1

Client Sample ID: P85B-WRR-100725-DUP
Lab Sample ID: 400-283767-5

Date Collected: 10/07/25 13:35
Matrix: Water
Date Received: 10/08/25 09:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 120*		*10/13/25 22:48*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/13/25 22:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/13/25 22:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/13/25 22:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/11/25 12:37	10/18/25 23:54	1
Phenol	ND		10	0.68	ug/L		10/11/25 12:37	10/18/25 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*80*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:54*	*1*
Terphenyl-d14	*65*		*43 - 147*	*10/11/25 12:37*	*10/18/25 23:54*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:54*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/11/25 12:37*	*10/18/25 23:54*	*1*
2-Fluorophenol	*88*		*10 - 150*	*10/11/25 12:37*	*10/18/25 23:54*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*10/11/25 12:37*	*10/18/25 23:54*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/14/25 09:55	10/15/25 23:13	1
Barium, Dissolved	**73**		10	1.2	ug/L		10/14/25 09:55	10/15/25 23:13	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 23:13	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 23:13	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 23:13	1
Vanadium, Dissolved	**1.9**	**J**	5.0	0.92	ug/L		10/14/25 09:55	10/15/25 23:13	1

Definitions/Glossary

Client: AECOM
Job ID: 400-283767-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283767-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Lab Chronicle

Client: AECOM
Job ID: 400-283767-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-100725
Lab Sample ID: 400-283767-1
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837823	MM	EET CHI	10/13/25 15:53

Client Sample ID: P85C-WRR-100725
Lab Sample ID: 400-283767-2
Date Collected: 10/07/25 11:20
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837823	MM	EET CHI	10/13/25 21:31
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727309	UI	EET PEN	10/18/25 22:21
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727310	UI	EET PEN	10/18/25 22:21
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 22:51

Client Sample ID: T41-WRR-100725
Lab Sample ID: 400-283767-3
Date Collected: 10/07/25 12:20
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837823	MM	EET CHI	10/13/25 21:57
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727309	UI	EET PEN	10/18/25 22:52
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727310	UI	EET PEN	10/18/25 22:52
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 22:55

Client Sample ID: P85B-WRR-100725
Lab Sample ID: 400-283767-4
Date Collected: 10/07/25 13:35
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837823	MM	EET CHI	10/13/25 22:22
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727309	UI	EET PEN	10/18/25 23:23
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727310	UI	EET PEN	10/18/25 23:23
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 23:00

Lab Chronicle

Client: AECOM
Job ID: 400-283767-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P85B-WRR-100725-DUP
Lab Sample ID: 400-283767-5

Date Collected: 10/07/25 13:35
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837823	MM	EET CHI	10/13/25 22:48
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727309	UI	EET PEN	10/18/25 23:54
Total/NA	Prep	3511			726486	JPH	EET PEN	10/11/25 12:37
Total/NA	Analysis	8270E		1	727310	UI	EET PEN	10/18/25 23:54
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 23:13

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283767-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-126)	(72-124)
400-283767-1	TB-WRR-100725	105	94	93	98
400-283767-2	P85C-WRR-100725	107	95	96	97
400-283767-3	T41-WRR-100725	104	95	94	100
400-283767-4	P85B-WRR-100725	104	95	97	100
400-283767-5	P85B-WRR-100725-DUP	103	96	96	101
LCS 500-837823/4	Lab Control Sample	105	95	92	94
LCSD 500-837823/5	Lab Control Sample Dup	105	93	93	95
MB 500-837823/8	Method Blank	104	95	93	100

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-283767-2	P85C-WRR-100725	79	63	71	89	86	76
400-283767-3	T41-WRR-100725	79	77	72	91	87	79
400-283767-4	P85B-WRR-100725	81	60	68	81	88	78
400-283767-5	P85B-WRR-100725-DUP	80	65	73	87	88	81
400-283771-H-2-A MS	Matrix Spike	95	80	72	95	97	83
400-283771-I-2-A MSD	Matrix Spike Duplicate	94	79	72	93	94	83
LCS 400-726486/2-A	Lab Control Sample	99	85	71	91	96	80
MB 400-726486/1-A	Method Blank	82	91	73	87	91	79

Surrogate Legend

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

GC/MS VOA

Analysis Batch: 837823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-1	TB-WRR-100725	Total/NA	Water	8260D	
400-283767-2	P85C-WRR-100725	Total/NA	Water	8260D	
400-283767-3	T41-WRR-100725	Total/NA	Water	8260D	
400-283767-4	P85B-WRR-100725	Total/NA	Water	8260D	
400-283767-5	P85B-WRR-100725-DUP	Total/NA	Water	8260D	
MB 500-837823/8	Method Blank	Total/NA	Water	8260D	
LCS 500-837823/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-837823/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-2	P85C-WRR-100725	Total/NA	Water	3511	
400-283767-3	T41-WRR-100725	Total/NA	Water	3511	
400-283767-4	P85B-WRR-100725	Total/NA	Water	3511	
400-283767-5	P85B-WRR-100725-DUP	Total/NA	Water	3511	
MB 400-726486/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726486/2-A	Lab Control Sample	Total/NA	Water	3511	
400-283771-H-2-A MS	Matrix Spike	Total/NA	Water	3511	
400-283771-I-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 727309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-2	P85C-WRR-100725	Total/NA	Water	8270E	726486
400-283767-3	T41-WRR-100725	Total/NA	Water	8270E	726486
400-283767-4	P85B-WRR-100725	Total/NA	Water	8270E	726486
400-283767-5	P85B-WRR-100725-DUP	Total/NA	Water	8270E	726486
MB 400-726486/1-A	Method Blank	Total/NA	Water	8270E	726486
LCS 400-726486/2-A	Lab Control Sample	Total/NA	Water	8270E	726486
400-283771-H-2-A MS	Matrix Spike	Total/NA	Water	8270E	726486
400-283771-I-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726486

Analysis Batch: 727310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-2	P85C-WRR-100725	Total/NA	Water	8270E	726486
400-283767-3	T41-WRR-100725	Total/NA	Water	8270E	726486
400-283767-4	P85B-WRR-100725	Total/NA	Water	8270E	726486
400-283767-5	P85B-WRR-100725-DUP	Total/NA	Water	8270E	726486
MB 400-726486/1-A	Method Blank	Total/NA	Water	8270E	726486
LCS 400-726486/2-A	Lab Control Sample	Total/NA	Water	8270E	726486
400-283771-H-2-A MS	Matrix Spike	Total/NA	Water	8270E	726486
400-283771-I-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726486

Metals

Prep Batch: 838067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-2	P85C-WRR-100725	Dissolved	Water	3005A	
400-283767-3	T41-WRR-100725	Dissolved	Water	3005A	
400-283767-4	P85B-WRR-100725	Dissolved	Water	3005A	
400-283767-5	P85B-WRR-100725-DUP	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 838067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-838067/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-838067/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 838418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283767-2	P85C-WRR-100725	Dissolved	Water	6010D	838067
400-283767-3	T41-WRR-100725	Dissolved	Water	6010D	838067
400-283767-4	P85B-WRR-100725	Dissolved	Water	6010D	838067
400-283767-5	P85B-WRR-100725-DUP	Dissolved	Water	6010D	838067
MB 500-838067/1-A	Method Blank	Total Recoverable	Water	6010D	838067
LCS 500-838067/2-A	Lab Control Sample	Total Recoverable	Water	6010D	838067

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

Lab Sample ID: MB 500-837823/8
Matrix: Water
Analysis Batch: 837823

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/13/25 14:31	1
Toluene	ND		0.50	0.21	ug/L			10/13/25 14:31	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/13/25 14:31	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/13/25 14:31	1
o-Xylene	ND		0.50	0.21	ug/L			10/13/25 14:31	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/13/25 14:31	1
Naphthalene	ND		1.0	0.44	ug/L			10/13/25 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*75 - 120*		*10/13/25 14:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/13/25 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/13/25 14:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/13/25 14:31*	*1*

Lab Sample ID: LCS 500-837823/4
Matrix: Water
Analysis Batch: 837823

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	55.9		ug/L		112	70 - 120		
Toluene			50.0	47.4		ug/L		95	70 - 125		
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123		
Xylenes, Total			100	95.6		ug/L		96	70 - 125		
o-Xylene			50.0	47.5		ug/L		95	70 - 120		
m-Xylene & p-Xylene			50.0	48.1		ug/L		96	70 - 125		
Naphthalene			50.0	43.5		ug/L		87	53 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*105*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*

Lab Sample ID: LCSD 500-837823/5
Matrix: Water
Analysis Batch: 837823

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	55.3		ug/L		111	70 - 120	1	20
Toluene			50.0	46.4		ug/L		93	70 - 125	2	20
Ethylbenzene			50.0	50.4		ug/L		101	70 - 123	3	20
Xylenes, Total			100	93.1		ug/L		93	70 - 125	3	20
o-Xylene			50.0	46.7		ug/L		93	70 - 120	2	20
m-Xylene & p-Xylene			50.0	46.3		ug/L		93	70 - 125	4	20
Naphthalene			50.0	46.2		ug/L		92	53 - 144	6	20

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

Lab Sample ID: LCSD 500-837823/5
Matrix: Water
Analysis Batch: 837823

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane	*105*		*75 - 120*
Toluene-d8 (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*

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

Lab Sample ID: MB 400-726486/1-A
Matrix: Water
Analysis Batch: 727309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/11/25 12:37	10/18/25 19:45	1
Phenol	ND		10	0.68	ug/L		10/11/25 12:37	10/18/25 19:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*82*		*10 - 150*	*10/11/25 12:37*	*10/18/25 19:45*	*1*
Terphenyl-d14	*91*		*43 - 147*	*10/11/25 12:37*	*10/18/25 19:45*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*10/11/25 12:37*	*10/18/25 19:45*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/11/25 12:37*	*10/18/25 19:45*	*1*
2-Fluorophenol	*91*		*10 - 150*	*10/11/25 12:37*	*10/18/25 19:45*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*10/11/25 12:37*	*10/18/25 19:45*	*1*

Lab Sample ID: LCS 400-726486/2-A
Matrix: Water
Analysis Batch: 727309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726486

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	26.0		ug/L		78	24 - 150		
Phenol			33.3	36.2		ug/L		109	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*99*		*10 - 150*
Terphenyl-d14	*85*		*43 - 147*
2,4,6-Tribromophenol	*91*		*10 - 150*
2-Fluorobiphenyl	*71*		*15 - 150*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*80*		*50 - 150*

Lab Sample ID: 400-283771-H-2-A MS
Matrix: Water
Analysis Batch: 727309

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene	ND		33.0	25.8		ug/L		78	50 - 150		
Phenol	ND		33.0	35.5		ug/L		108	50 - 150		

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

Lab Sample ID: 400-283771-H-2-A MS
Matrix: Water
Analysis Batch: 727310

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726486

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*95*		*10 - 150*
Terphenyl-d14	*80*		*43 - 147*
2,4,6-Tribromophenol	*95*		*10 - 150*
2-Fluorobiphenyl	*72*		*15 - 150*
2-Fluorophenol	*97*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*

Lab Sample ID: 400-283771-I-2-A MSD
Matrix: Water
Analysis Batch: 727309

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 726486

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		32.9	27.6		ug/L		84	50 - 150	7	40
Phenol	ND		32.9	34.3		ug/L		104	50 - 150	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*94*		*10 - 150*
Terphenyl-d14	*79*		*43 - 147*
2,4,6-Tribromophenol	*93*		*10 - 150*
2-Fluorobiphenyl	*72*		*15 - 150*
2-Fluorophenol	*94*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-838067/1-A
Matrix: Water
Analysis Batch: 838418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 838067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/14/25 09:55	10/15/25 22:42	1
Barium, Dissolved	ND		10	1.2	ug/L		10/14/25 09:55	10/15/25 22:42	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 22:42	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 22:42	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 22:42	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/14/25 09:55	10/15/25 22:42	1

Lab Sample ID: LCS 500-838067/2-A
Matrix: Water
Analysis Batch: 838418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 838067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	104		ug/L		104	80 - 120
Barium, Dissolved	500	523		ug/L		105	80 - 120
Cobalt, Dissolved	500	520		ug/L		104	80 - 120
Nickel, Dissolved	500	521		ug/L		104	80 - 120
Lead, Dissolved	100	107		ug/L		107	80 - 120
Vanadium, Dissolved	500	502		ug/L		100	80 - 120

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

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

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

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

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/7/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

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

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

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

SAMPLER NAME(S) (Print): Mary Massa, Tony Jones

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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES .

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com, brett.howell@aecom.com

* Dissolved metals are field filtered.
* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

400-283767 Chain of Custody

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-100725	10/7/2025	0000	Water	2					2	X			
	P85C-WRR-100725	10/7/2025	1120	Water	3	1		4		8	X	X	X	X
	T41-WRR-100725	10/7/2025	1220	Water	3	1		4		8	X	X	X	X
	P85B-WRR-100725	10/7/2025	1335	Water	3	1		4		8	X	X	X	X
	P85B-WRR-100725-DUP	10/7/2025	1335	Water	3	1		4		8	X	X	X	X

10/7/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX. 4234 9608 5454	10/7/2025	1600
Relinquished by: (Signature)	Received by: (Signature) (Eurofins) 1.4 IR10	Date: 10/8/25	Time: 915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698070, 2698071

Page 21 of 23

10/21/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474-1001 Fax 850 478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-386719 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400-283767-1
Address	**Due Date Requested**			**Preservation Codes:**
18410 Crossing Drive, Suite E,	10/17/2025			-
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip.				
IL, 60487				
Phone	**PO #**			
708 534 5200(Tel) 708 534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			**Other**
N/A	N/A			N/A

400-283767 COC

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TB-WRR-100725 (400-283767-1)	10/7/25	Central	G	Water			X		2	
P85C WRR 100725 (400-283767-2)	10/7/25	11.20 Central	G	Water			X	X	4	
T41-WRR 100725 (400-283767-3)	10/7/25	12.20 Central	G	Water			X	X	4	
P85B-WRR-100725 (400 283767-4)	10/7/25	13.35 Central	G	Water			X	X	4	
P85B-WRR-100725-DUP (400-283767-5)	10/7/25	13:35 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10/8/25 1700	[illegible]	[signature]	10/9/25 0900	[illegible]
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.1 → 0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283767-1

Login Number: 283767
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283767-1

Login Number: 283767
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/09/25 05:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283767-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283852-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/04/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.		X		
The laboratory case narrative indicated a discrepancy between the container labels and COC identifications for P85B-WRR-100825 and P85D-WRR-100825. The container labels noted P87B-WRR-100825 and P87D-WRR-100825. Samples were logged in per the container labels and a revised COC was sent to the laboratory. No qualification of data was required.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		

Method 8270E (SVOC)
The continuous calibration verification (CCV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P17-WRR-100825	SVOCs	Phenol	**UJ**
P87B-WRR-100825	SVOCs	Phenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P87D-WRR-100825	SVOCs	Phenol			**UJ**
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

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

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/23/2025 7:07:23 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-283852-1

Reviewed By: SS 12/04/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Job Narrative
400-283852-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/9/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC):

The container labels list P87B-WRR-100825, while the COC lists P85B-WRR-100825.

The container labels list P87D-WRR-100825 while the COC lists P85D-WRR-100825.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-726502.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-726502.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727529 recovered outside acceptance criteria, low biased, for Phenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283852-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283852-1	TB-WRR-100825	Water	10/08/25 00:00	10/09/25 09:35	Illinois
400-283852-2	P17-WRR-100825	Water	10/08/25 09:05	10/09/25 09:35	Illinois
400-283852-3	P87B-WRR-100825	Water	10/08/25 10:50	10/09/25 09:35	Illinois
400-283852-4	P87D-WRR-100825	Water	10/08/25 13:40	10/09/25 09:35	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283852-1

Client Sample ID: TB-WRR-100825 — Lab Sample ID: 400-283852-1

No Detections.

Client Sample ID: P17-WRR-100825 — Lab Sample ID: 400-283852-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.44	J	1.0	0.44	ug/L	1		8260D	Total/NA
Arsenic, Dissolved	10		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	19		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.4	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P87B-WRR-100825 — Lab Sample ID: 400-283852-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	5.3	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	93		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P87D-WRR-100825 — Lab Sample ID: 400-283852-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	500		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.2	J	5.0	0.92	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-100825
Lab Sample ID: 400-283852-1
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/09/25 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 14:59	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 14:59	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 14:59	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 14:59	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 14:59	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 14:59	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*		*10/14/25 14:59*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/14/25 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/14/25 14:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/14/25 14:59*	*1*

Client Sample ID: P17-WRR-100825
Lab Sample ID: 400-283852-2
Date Collected: 10/08/25 09:05
Matrix: Water
Date Received: 10/09/25 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 20:03	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 20:03	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 20:03	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 20:03	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 20:03	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 20:03	1
Naphthalene	**0.44**	**J**	1.0	0.44	ug/L			10/14/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*75 - 120*		*10/14/25 20:03*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/14/25 20:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/14/25 20:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/14/25 20:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:06	10/21/25 21:46	1
Phenol	ND	UJ	10	0.68	ug/L		10/12/25 14:06	10/21/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*59*		*10 - 150*	*10/12/25 14:06*	*10/21/25 21:46*	*1*
Terphenyl-d14	*50*		*43 - 147*	*10/12/25 14:06*	*10/21/25 21:46*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/12/25 14:06*	*10/21/25 21:46*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/12/25 14:06*	*10/21/25 21:46*	*1*
2-Fluorophenol	*66*		*10 - 150*	*10/12/25 14:06*	*10/21/25 21:46*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*10/12/25 14:06*	*10/21/25 21:46*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**10**		10	3.7	ug/L		10/14/25 09:55	10/15/25 23:17	1
Barium, Dissolved	**19**		10	1.2	ug/L		10/14/25 09:55	10/15/25 23:17	1

Client Sample ID: P17-WRR-100825

Lab Sample ID: 400-283852-2

Date Collected: 10/08/25 09:05

Matrix: Water

Date Received: 10/09/25 09:35

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 23:17	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 23:17	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 23:17	1
Vanadium, Dissolved	**1.4**	**J**	5.0	0.92	ug/L		10/14/25 09:55	10/15/25 23:17	1

Client Sample ID: P87B-WRR-100825

Lab Sample ID: 400-283852-3

Date Collected: 10/08/25 10:50

Matrix: Water

Date Received: 10/09/25 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 21:19	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 21:19	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 21:19	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 21:19	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 21:19	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 21:19	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*108*		*75 - 120*		*10/14/25 21:19*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/14/25 21:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/14/25 21:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/14/25 21:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/12/25 14:06	10/21/25 22:20	1
Phenol	ND	UJ	10	0.69	ug/L		10/12/25 14:06	10/21/25 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*34*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:20*	*1*
Terphenyl-d14	*52*		*43 - 147*	*10/12/25 14:06*	*10/21/25 22:20*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:20*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*10/12/25 14:06*	*10/21/25 22:20*	*1*
2-Fluorophenol	*45*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:20*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*10/12/25 14:06*	*10/21/25 22:20*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**5.3**	**J**	10	3.7	ug/L		10/14/25 09:55	10/15/25 23:22	1
Barium, Dissolved	**93**		10	1.2	ug/L		10/14/25 09:55	10/15/25 23:22	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 23:22	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 23:22	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 23:22	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/14/25 09:55	10/15/25 23:22	1

Client Sample ID: P87D-WRR-100825

Date Collected: 10/08/25 13:40
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283852-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 20:53	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 20:53	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 20:53	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 20:53	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 20:53	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 20:53	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*75 - 120*		*10/14/25 20:53*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/14/25 20:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/14/25 20:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/14/25 20:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/12/25 14:06	10/21/25 22:53	1
Phenol	ND	UJ	10	0.68	ug/L		10/12/25 14:06	10/21/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*44*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:53*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/12/25 14:06*	*10/21/25 22:53*	*1*
2,4,6-Tribromophenol	*99*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:53*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*10/12/25 14:06*	*10/21/25 22:53*	*1*
2-Fluorophenol	*54*		*10 - 150*	*10/12/25 14:06*	*10/21/25 22:53*	*1*
Nitrobenzene-d5	*104*		*50 - 150*	*10/12/25 14:06*	*10/21/25 22:53*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/14/25 09:55	10/15/25 23:26	1
Barium, Dissolved	**500**		10	1.2	ug/L		10/14/25 09:55	10/15/25 23:26	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 23:26	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 23:26	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 23:26	1
Vanadium, Dissolved	**1.2**	**J**	5.0	0.92	ug/L		10/14/25 09:55	10/15/25 23:26	1

Definitions/Glossary

Client: AECOM
Job ID: 400-283852-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283852-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Lab Chronicle

Client: AECOM
Job ID: 400-283852-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-100825
Lab Sample ID: 400-283852-1
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 14:59

Client Sample ID: P17-WRR-100825
Lab Sample ID: 400-283852-2
Date Collected: 10/08/25 09:05
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 20:03
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727528	UI	EET PEN	10/21/25 21:46
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727529	UI	EET PEN	10/21/25 21:46
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 23:17

Client Sample ID: P87B-WRR-100825
Lab Sample ID: 400-283852-3
Date Collected: 10/08/25 10:50
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 21:19
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727528	UI	EET PEN	10/21/25 22:20
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727529	UI	EET PEN	10/21/25 22:20
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 23:22

Client Sample ID: P87D-WRR-100825
Lab Sample ID: 400-283852-4
Date Collected: 10/08/25 13:40
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837982	W1T	EET CHI	10/14/25 20:53
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727528	UI	EET PEN	10/21/25 22:53
Total/NA	Prep	3511			726502	JPH	EET PEN	10/12/25 14:06
Total/NA	Analysis	8270E		1	727529	UI	EET PEN	10/21/25 22:53
Dissolved	Prep	3005A			838067	BDE	EET CHI	10/14/25 09:55 - 10/14/25 15:55 [1]
Dissolved	Analysis	6010D		1	838418	S1Z	EET CHI	10/15/25 23:26

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283852-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-126)	(72-124)
400-283852-1	TB-WRR-100825	102	98	100	100
400-283852-2	P17-WRR-100825	110	97	99	99
400-283852-3	P87B-WRR-100825	108	97	98	98
400-283852-4	P87D-WRR-100825	109	98	98	98
LCS 500-837982/5	Lab Control Sample	95	100	92	96
LCSD 500-837982/6	Lab Control Sample Dup	96	98	96	97
MB 500-837982/10	Method Blank	101	99	98	102

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-283852-2	P17-WRR-100825	59	50	73	90	66	96
400-283852-3	P87B-WRR-100825	34	52	72	91	45	94
400-283852-4	P87D-WRR-100825	44	60	76	99	54	104
LCS 400-726502/2-A	Lab Control Sample	68	73	72	88	68	95
LCSD 400-726502/3-A	Lab Control Sample Dup	68	74	68	88	70	99
MB 400-726502/1-A	Method Blank	58	83	66	91	64	91

Surrogate Legend

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

QC Association Summary

Client: AECOM
Job ID: 400-283852-1
Project/Site: REFINERY 2H Semiannual

GC/MS VOA

Analysis Batch: 837982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-1	TB-WRR-100825	Total/NA	Water	8260D	
400-283852-2	P17-WRR-100825	Total/NA	Water	8260D	
400-283852-3	P87B-WRR-100825	Total/NA	Water	8260D	
400-283852-4	P87D-WRR-100825	Total/NA	Water	8260D	
MB 500-837982/10	Method Blank	Total/NA	Water	8260D	
LCS 500-837982/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-837982/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-2	P17-WRR-100825	Total/NA	Water	3511	
400-283852-3	P87B-WRR-100825	Total/NA	Water	3511	
400-283852-4	P87D-WRR-100825	Total/NA	Water	3511	
MB 400-726502/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726502/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726502/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-2	P17-WRR-100825	Total/NA	Water	8270E	726502
400-283852-3	P87B-WRR-100825	Total/NA	Water	8270E	726502
400-283852-4	P87D-WRR-100825	Total/NA	Water	8270E	726502
MB 400-726502/1-A	Method Blank	Total/NA	Water	8270E	726502
LCS 400-726502/2-A	Lab Control Sample	Total/NA	Water	8270E	726502
LCSD 400-726502/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	726502

Analysis Batch: 727529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-2	P17-WRR-100825	Total/NA	Water	8270E	726502
400-283852-3	P87B-WRR-100825	Total/NA	Water	8270E	726502
400-283852-4	P87D-WRR-100825	Total/NA	Water	8270E	726502
MB 400-726502/1-A	Method Blank	Total/NA	Water	8270E	726502
LCS 400-726502/2-A	Lab Control Sample	Total/NA	Water	8270E	726502
LCSD 400-726502/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	726502

Metals

Prep Batch: 838067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-2	P17-WRR-100825	Dissolved	Water	3005A	
400-283852-3	P87B-WRR-100825	Dissolved	Water	3005A	
400-283852-4	P87D-WRR-100825	Dissolved	Water	3005A	
MB 500-838067/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-838067/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 838418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283852-2	P17-WRR-100825	Dissolved	Water	6010D	838067
400-283852-3	P87B-WRR-100825	Dissolved	Water	6010D	838067
400-283852-4	P87D-WRR-100825	Dissolved	Water	6010D	838067

Metals (Continued)

Analysis Batch: 838418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-838067/1-A	Method Blank	Total Recoverable	Water	6010D	838067
LCS 500-838067/2-A	Lab Control Sample	Total Recoverable	Water	6010D	838067

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

Lab Sample ID: MB 500-837982/10
Matrix: Water
Analysis Batch: 837982

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/14/25 13:16	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 13:16	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 13:16	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 13:16	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 13:16	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 13:16	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*		*10/14/25 13:16*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/14/25 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/14/25 13:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*10/14/25 13:16*	*1*

Lab Sample ID: LCS 500-837982/5
Matrix: Water
Analysis Batch: 837982

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	48.6		ug/L		97	70 - 120		
Toluene			50.0	50.7		ug/L		101	70 - 125		
Ethylbenzene			50.0	46.0		ug/L		92	70 - 123		
Xylenes, Total			100	93.3		ug/L		93	70 - 125		
o-Xylene			50.0	46.1		ug/L		92	70 - 120		
m-Xylene & p-Xylene			50.0	47.3		ug/L		95	70 - 125		
Naphthalene			50.0	43.3		ug/L		87	53 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*

Lab Sample ID: LCSD 500-837982/6
Matrix: Water
Analysis Batch: 837982

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	51.0		ug/L		102	70 - 120	5	20
Toluene			50.0	53.0		ug/L		106	70 - 125	4	20
Ethylbenzene			50.0	49.8		ug/L		100	70 - 123	8	20
Xylenes, Total			100	98.7		ug/L		99	70 - 125	6	20
o-Xylene			50.0	49.3		ug/L		99	70 - 120	7	20
m-Xylene & p-Xylene			50.0	49.4		ug/L		99	70 - 125	4	20
Naphthalene			50.0	47.7		ug/L		95	53 - 144	10	20

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

Lab Sample ID: LCSD 500-837982/6
Matrix: Water
Analysis Batch: 837982

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*

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

Lab Sample ID: MB 400-726502/1-A
Matrix: Water
Analysis Batch: 727528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:06	10/21/25 20:06	1
Phenol	ND		10	0.68	ug/L		10/12/25 14:06	10/21/25 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*58*		*10 - 150*	*10/12/25 14:06*	*10/21/25 20:06*	*1*
Terphenyl-d14	*83*		*43 - 147*	*10/12/25 14:06*	*10/21/25 20:06*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/12/25 14:06*	*10/21/25 20:06*	*1*
2-Fluorobiphenyl	*66*		*15 - 150*	*10/12/25 14:06*	*10/21/25 20:06*	*1*
2-Fluorophenol	*64*		*10 - 150*	*10/12/25 14:06*	*10/21/25 20:06*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*10/12/25 14:06*	*10/21/25 20:06*	*1*

Lab Sample ID: LCS 400-726502/2-A
Matrix: Water
Analysis Batch: 727528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726502

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	24.8		ug/L		74	24 - 150		
Phenol			33.3	22.2		ug/L		67	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*68*		*10 - 150*
Terphenyl-d14	*73*		*43 - 147*
2,4,6-Tribromophenol	*88*		*10 - 150*
2-Fluorobiphenyl	*72*		*15 - 150*
2-Fluorophenol	*68*		*10 - 150*
Nitrobenzene-d5	*95*		*50 - 150*

Lab Sample ID: LCSD 400-726502/3-A
Matrix: Water
Analysis Batch: 727528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726502

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene			33.3	24.2		ug/L		73	24 - 150	3	40
Phenol			33.3	21.4		ug/L		64	10 - 150	4	40

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

Lab Sample ID: LCSD 400-726502/3-A
Matrix: Water
Analysis Batch: 727529

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726502

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*68*		*10 - 150*
Terphenyl-d14	*74*		*43 - 147*
2,4,6-Tribromophenol	*88*		*10 - 150*
2-Fluorobiphenyl	*68*		*15 - 150*
2-Fluorophenol	*70*		*10 - 150*
Nitrobenzene-d5	*99*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-838067/1-A
Matrix: Water
Analysis Batch: 838418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 838067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/14/25 09:55	10/15/25 22:42	1
Barium, Dissolved	ND		10	1.2	ug/L		10/14/25 09:55	10/15/25 22:42	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/14/25 09:55	10/15/25 22:42	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/14/25 09:55	10/15/25 22:42	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/14/25 09:55	10/15/25 22:42	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/14/25 09:55	10/15/25 22:42	1

Lab Sample ID: LCS 500-838067/2-A
Matrix: Water
Analysis Batch: 838418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 838067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	104		ug/L		104	80 - 120
Barium, Dissolved	500	523		ug/L		105	80 - 120
Cobalt, Dissolved	500	520		ug/L		104	80 - 120
Nickel, Dissolved	500	521		ug/L		104	80 - 120
Lead, Dissolved	100	107		ug/L		107	80 - 120
Vanadium, Dissolved	500	502		ug/L		100	80 - 120

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

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

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG | ☐ PIPELINE | ☐ RETAIL
☐ CHEMICALS | ☐ CONSULTANT | ☐ LUBES
☐ TRANSPORTATION | ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/8/2025
PO #	**GSAP Project ID**	PAGE. ___1___ of ___1___
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Refinery 2H Semiannual 60771235 – 6.1.2

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

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: WRR 2H25 Groundwater

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

SAMPLER NAME(S) (Print): Mary Massa, Tony Jones

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Dissolved metals are field filtered.
* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-100825	10/8/2025	0000	Water	2					2	X			
	P17-WRR-100825	10/8/2025	0905	Water	3	1		4		8	X	X	X	X
	P85B-WRR-100825	10/8/2025	1050	Water	3	1		4		8	X	X	X	X
	P85D-WRR-100825	10/8/2025	1340	Water	3	1		4		8	X	X	X	X

400-283852 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4234 9608 5443	10/8/2025	1600
		10/9/25	935

Version: 21July25

CUSTODY SEALS: 2698075, 2698074

Leah Klingensmith

From: Massa, Mary <Mary.Massa@aecom.com>
Sent: Friday, October 10, 2025 7:29 AM
To: Leah Klingensmith
Cc: Remiger, Melissa; Howell, Brett
Subject: Re: ***Please Note***400-283852 REFINERY 2H Semiannual Sample Confirmation files from Eurofins Southeast

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Morning Leah,

My apologies, the COC should also say P87. Let me know if you need me to send over a corrected COC.

Thank you,
Mary Massa (D'Angelo) PG (MO)

Geologist II, Oil & Gas (ENV PMO)
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From: Leah Klingensmith <TALS@reports.et.eurofinsus.com>
Sent: Thursday, October 9, 2025 3:55 PM
To: Howell, Brett <brett.howell@aecom.com>; Massa, Mary <Mary.Massa@aecom.com>; Remiger, Melissa <melissa.remiger@aecom.com>
Subject: ***Please Note***400-283852 REFINERY 2H Semiannual Sample Confirmation files from Eurofins Southeast

Hello,

For this set of samples, the COC indicates P85 however the labels had P87. Which ID is correct?

Attached, please find the Sample Confirmation files for job 400-283852; REFINERY 2H Semiannual

The samples were received on 10/9/2025 09:35 AM

Please review the attachments for accuracy and notify your Project Manager of any discrepancies as quickly as possible.

Any discrepancies not communicated in a timely fashion could result in missed holding times, TAT delays and may potentially incur additional charges.

Please feel free to contact me if you have any questions.

Thank you.

Leah Klingensmith
Project Manager

Eurofins Pensacola
Phone: 615-301-5038

E-mail: Leah.Klingensmith@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [400-876528]
Attachments: 4

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387032 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400-283852-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/20/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708 534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

400-283852 COC

Analysis Requested

Preservation Codes:

Other
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TB-WRR-100825 (400-283852 1)	10/8/25	Central	G	Water			X		2	
P17 WRR 100825 (400-283852 2)	10/8/25	09 05 Central	G	Water			X	X	4	
P87B WRR 100825 (400-283852-3)	10/8/25	10.50 Central	G	Water			X	X	4	
P87D WRR 100825 (400 283852 4)	10/8/25	13.40 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	10/10/25 1700			10/11/25 0920	
Relinquished by			Received by		
Relinquished by			Received by		

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		0.1-7-0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283852-1

Login Number: 283852
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	IDS FOR 3 + 4 DO NOT MATCH COC
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283852-1

Login Number: 283852
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/11/25 09:40 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283852-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283995-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/04/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
Holding Times	Analyses were performed within holding time.		X		

Method 8260D

At the time of analysis of VOCs by method 8260D, sample P87C-WRR-101025 had a pH >2, outside the method required preservation criteria. The sample was analyzed outside the 7-day holding time criteria for unpreserved samples. Therefore, the sample results were qualified as estimated (J) for detects and (UJ) for non-detects.

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

Method 8260D

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
P60-WRR-101025	P60-WRR-101025-DUP	VOCs	m & p-Xylene	**32**	J/J
			Ethylbenzene	**31**	J/J

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

Method 8260D (SVOCs)

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 500-838758/20/ LCSD 500-838758/21	VOC	Ethylbenzene	110/**125**	12	70-123/20

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

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

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

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

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

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/27/2025 12:44:41 PM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-283995-1

Reviewed By: SS 12/04/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
10/27/2025 12:44:41 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-283995-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

GC/MS VOA
Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: P87C-WRR-101025 (400-283995-2).

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 500-838758 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838758 was above the method criteria for the following analyte(s): Ethylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P60-WRR-101025 (400-283995-5) and P60-WRR-101025-DUP (400-283995-6). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P60-WRR-101025 (400-283995-5) and P60-WRR-101025-DUP (400-283995-6). Elevated reporting limits (RLs) are provided.

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

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

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283995-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283995-1	TB-WRR-101025	Water	10/10/25 00:00	10/11/25 09:20	Illinois
400-283995-2	P87C-WRR-101025	Water	10/10/25 09:45	10/11/25 09:20	Illinois
400-283995-3	P85D-WRR-101025	Water	10/10/25 12:00	10/11/25 09:20	Illinois
400-283995-4	T1-WRR-101025	Water	10/10/25 13:25	10/11/25 09:20	Illinois
400-283995-5	P60-WRR-101025	Water	10/10/25 14:25	10/11/25 09:20	Illinois
400-283995-6	P60-WRR-101025-DUP	Water	10/10/25 14:25	10/11/25 09:20	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283995-1

Client Sample ID: TB-WRR-101025 — Lab Sample ID: 400-283995-1

No Detections.

Client Sample ID: P87C-WRR-101025 — Lab Sample ID: 400-283995-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48		0.50	0.18	ug/L	1		8260D	Total/NA
Phenol	1.3	J	10	0.70	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	4.1	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	170		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P85D-WRR-101025 — Lab Sample ID: 400-283995-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	110		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: T1-WRR-101025 — Lab Sample ID: 400-283995-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	200		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P60-WRR-101025 — Lab Sample ID: 400-283995-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	38		1.0	0.41	ug/L	2		8260D	Total/NA
Ethylbenzene	73	J	1.0	0.41	ug/L	2		8260D	Total/NA
Xylenes, Total	140		2.0	0.59	ug/L	2		8260D	Total/NA
o-Xylene	2.9		1.0	0.41	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	130	J	2.0	0.59	ug/L	2		8260D	Total/NA
Naphthalene	5.6		2.0	0.88	ug/L	2		8260D	Total/NA
Benzene - DL	760		10	3.5	ug/L	20		8260D	Total/NA
2-Methylnaphthalene	120		1.0	0.39	ug/L	5		8270E	Total/NA
Phenol	8.4	J	10	0.69	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	33		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	370		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P60-WRR-101025-DUP — Lab Sample ID: 400-283995-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	44		1.0	0.41	ug/L	2		8260D	Total/NA
Ethylbenzene	100	J	1.0	0.41	ug/L	2		8260D	Total/NA
Xylenes, Total	180		2.0	0.59	ug/L	2		8260D	Total/NA
o-Xylene	3.3		1.0	0.41	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	180	J	2.0	0.59	ug/L	2		8260D	Total/NA
Naphthalene	5.8		2.0	0.88	ug/L	2		8260D	Total/NA
Benzene - DL	790		10	3.5	ug/L	20		8260D	Total/NA
2-Methylnaphthalene	120		1.0	0.39	ug/L	5		8270E	Total/NA
Phenol	6.0	J	10	0.68	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	34		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	390		10	1.2	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101025

Lab Sample ID: 400-283995-1

Date Collected: 10/10/25 00:00

Matrix: Water

Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/16/25 18:59	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 18:59	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 18:59	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 18:59	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 18:59	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 18:59	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*75 - 120*		*10/16/25 18:59*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/16/25 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/16/25 18:59*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/16/25 18:59*	*1*

Client Sample ID: P87C-WRR-101025

Lab Sample ID: 400-283995-2

Date Collected: 10/10/25 09:45

Matrix: Water

Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**48**	**J**	0.50	0.18	ug/L			10/16/25 19:23	1
Toluene	ND	**UJ**	0.50	0.21	ug/L			10/16/25 19:23	1
Ethylbenzene	ND	**UJ**	0.50	0.20	ug/L			10/16/25 19:23	1
Xylenes, Total	ND	**UJ**	1.0	0.30	ug/L			10/16/25 19:23	1
o-Xylene	ND	**UJ**	0.50	0.21	ug/L			10/16/25 19:23	1
m-Xylene & p-Xylene	ND	**UJ**	1.0	0.30	ug/L			10/16/25 19:23	1
Naphthalene	ND	**UJ**	1.0	0.44	ug/L			10/16/25 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*75 - 120*		*10/16/25 19:23*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/16/25 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/16/25 19:23*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/16/25 19:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/14/25 13:06	10/23/25 18:35	1
Phenol	**1.3**	**J**	10	0.70	ug/L		10/14/25 13:06	10/23/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*59*		*10 - 150*	*10/14/25 13:06*	*10/23/25 18:35*	*1*
Terphenyl-d14	*64*		*43 - 147*	*10/14/25 13:06*	*10/23/25 18:35*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/14/25 13:06*	*10/23/25 18:35*	*1*
2-Fluorobiphenyl	*84*		*15 - 150*	*10/14/25 13:06*	*10/23/25 18:35*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/14/25 13:06*	*10/23/25 18:35*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*10/14/25 13:06*	*10/23/25 18:35*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**4.1**	**J**	10	3.7	ug/L		10/15/25 08:22	10/17/25 22:09	1
Barium, Dissolved	**170**		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:09	1

Client Sample ID: P87C-WRR-101025
Lab Sample ID: 400-283995-2
Date Collected: 10/10/25 09:45
Matrix: Water
Date Received: 10/11/25 09:20

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:09	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:09	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:09	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:09	1

Client Sample ID: P85D-WRR-101025
Lab Sample ID: 400-283995-3
Date Collected: 10/10/25 12:00
Matrix: Water
Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/17/25 18:11	1
Toluene	ND		0.50	0.21	ug/L			10/17/25 18:11	1
Ethylbenzene	ND	*+	0.50	0.20	ug/L			10/17/25 18:11	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/17/25 18:11	1
o-Xylene	ND		0.50	0.21	ug/L			10/17/25 18:11	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/17/25 18:11	1
Naphthalene	ND		1.0	0.44	ug/L			10/17/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*		*10/17/25 18:11*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/17/25 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/17/25 18:11*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/17/25 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/14/25 13:06	10/23/25 19:05	1
Phenol	ND		10	0.69	ug/L		10/14/25 13:06	10/23/25 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*83*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:05*	*1*
Terphenyl-d14	*67*		*43 - 147*	*10/14/25 13:06*	*10/23/25 19:05*	*1*
2,4,6-Tribromophenol	*93*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:05*	*1*
2-Fluorobiphenyl	*86*		*15 - 150*	*10/14/25 13:06*	*10/23/25 19:05*	*1*
2-Fluorophenol	*97*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:05*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*10/14/25 13:06*	*10/23/25 19:05*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/15/25 08:22	10/17/25 22:40	1
Barium, Dissolved	**110**		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:40	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:40	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:40	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:40	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:40	1

Client Sample ID: T1-WRR-101025
Lab Sample ID: 400-283995-4
Date Collected: 10/10/25 13:25
Matrix: Water
Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/17/25 18:40	1
Toluene	ND		0.50	0.21	ug/L			10/17/25 18:40	1
Ethylbenzene	ND	*+	0.50	0.20	ug/L			10/17/25 18:40	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/17/25 18:40	1
o-Xylene	ND		0.50	0.21	ug/L			10/17/25 18:40	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/17/25 18:40	1
Naphthalene	ND		1.0	0.44	ug/L			10/17/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*75 - 120*		*10/17/25 18:40*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/17/25 18:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/17/25 18:40*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*10/17/25 18:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/14/25 13:06	10/23/25 19:35	1
Phenol	ND		10	0.69	ug/L		10/14/25 13:06	10/23/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*72*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:35*	*1*
Terphenyl-d14	*73*		*43 - 147*	*10/14/25 13:06*	*10/23/25 19:35*	*1*
2,4,6-Tribromophenol	*94*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:35*	*1*
2-Fluorobiphenyl	*84*		*15 - 150*	*10/14/25 13:06*	*10/23/25 19:35*	*1*
2-Fluorophenol	*85*		*10 - 150*	*10/14/25 13:06*	*10/23/25 19:35*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/14/25 13:06*	*10/23/25 19:35*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/15/25 08:22	10/17/25 22:44	1
Barium, Dissolved	**200**		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:44	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:44	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:44	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:44	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:44	1

Client Sample ID: P60-WRR-101025
Lab Sample ID: 400-283995-5
Date Collected: 10/10/25 14:25
Matrix: Water
Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**38**		1.0	0.41	ug/L			10/21/25 18:17	2
Ethylbenzene	**73**	J	1.0	0.41	ug/L			10/21/25 18:17	2
Xylenes, Total	**140**		2.0	0.59	ug/L			10/21/25 18:17	2
o-Xylene	**2.9**		1.0	0.41	ug/L			10/21/25 18:17	2
m-Xylene & p-Xylene	**130**	J	2.0	0.59	ug/L			10/21/25 18:17	2
Naphthalene	**5.6**		2.0	0.88	ug/L			10/21/25 18:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*75 - 120*		*10/21/25 18:17*	*2*

Client Sample ID: P60-WRR-101025
Lab Sample ID: 400-283995-5
Date Collected: 10/10/25 14:25
Matrix: Water
Date Received: 10/11/25 09:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/21/25 18:17*	*2*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/21/25 18:17*	*2*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/21/25 18:17*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**760**		10	3.5	ug/L			10/21/25 03:19	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*100*		*75 - 120*		*10/21/25 03:19*	*20*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/21/25 03:19*	*20*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/21/25 03:19*	*20*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/21/25 03:19*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**120**		1.0	0.39	ug/L		10/14/25 13:06	10/24/25 14:20	5
Phenol	**8.4**	**J**	10	0.69	ug/L		10/14/25 13:06	10/23/25 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*90*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:05*	*1*
Terphenyl-d14	*64*		*43 - 147*	*10/14/25 13:06*	*10/24/25 14:20*	*5*
2,4,6-Tribromophenol	*102*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:05*	*1*
2-Fluorobiphenyl	*91*		*15 - 150*	*10/14/25 13:06*	*10/24/25 14:20*	*5*
2-Fluorophenol	*96*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:05*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*10/14/25 13:06*	*10/24/25 14:20*	*5*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**33**		10	3.7	ug/L		10/15/25 08:22	10/17/25 22:49	1
Barium, Dissolved	**370**		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:49	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:49	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:49	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:49	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:49	1

Client Sample ID: P60-WRR-101025-DUP
Lab Sample ID: 400-283995-6
Date Collected: 10/10/25 14:25
Matrix: Water
Date Received: 10/11/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**44**		1.0	0.41	ug/L			10/21/25 18:42	2
Ethylbenzene	**100**	**J**	1.0	0.41	ug/L			10/21/25 18:42	2
Xylenes, Total	**180**		2.0	0.59	ug/L			10/21/25 18:42	2
o-Xylene	**3.3**		1.0	0.41	ug/L			10/21/25 18:42	2
m-Xylene & p-Xylene	**180**	**J**	2.0	0.59	ug/L			10/21/25 18:42	2
Naphthalene	**5.8**		2.0	0.88	ug/L			10/21/25 18:42	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*94*		*75 - 120*		*10/21/25 18:42*	*2*

Client Sample ID: P60-WRR-101025-DUP

Date Collected: 10/10/25 14:25
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283995-6

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/21/25 18:42*	*2*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/21/25 18:42*	*2*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/21/25 18:42*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**790**		10	3.5	ug/L			10/21/25 03:43	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 120*		*10/21/25 03:43*	*20*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/21/25 03:43*	*20*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/21/25 03:43*	*20*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/21/25 03:43*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**120**		1.0	0.39	ug/L		10/14/25 13:06	10/24/25 14:50	5
Phenol	**6.0**	**J**	10	0.68	ug/L		10/14/25 13:06	10/23/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*84*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:35*	*1*
Terphenyl-d14	*59*		*43 - 147*	*10/14/25 13:06*	*10/24/25 14:50*	*5*
2,4,6-Tribromophenol	*99*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:35*	*1*
2-Fluorobiphenyl	*88*		*15 - 150*	*10/14/25 13:06*	*10/24/25 14:50*	*5*
2-Fluorophenol	*93*		*10 - 150*	*10/14/25 13:06*	*10/23/25 20:35*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*10/14/25 13:06*	*10/24/25 14:50*	*5*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**34**		10	3.7	ug/L		10/15/25 08:22	10/17/25 22:53	1
Barium, Dissolved	**390**		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:53	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:53	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:53	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:53	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:53	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283995-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Lab Chronicle

Client: AECOM
Job ID: 400-283995-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101025
Lab Sample ID: 400-283995-1
Date Collected: 10/10/25 00:00
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838426	W1T	EET CHI	10/16/25 18:59

Client Sample ID: P87C-WRR-101025
Lab Sample ID: 400-283995-2
Date Collected: 10/10/25 09:45
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838426	W1T	EET CHI	10/16/25 19:23
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 18:35
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 18:35
Dissolved	Prep	3005A			838239	BDE	EET CHI	10/15/25 08:22 - 10/15/25 14:22 [1]
Dissolved	Analysis	6010D		1	838846	SJ	EET CHI	10/17/25 22:09

Client Sample ID: P85D-WRR-101025
Lab Sample ID: 400-283995-3
Date Collected: 10/10/25 12:00
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838758	W1T	EET CHI	10/17/25 18:11
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 19:05
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 19:05
Dissolved	Prep	3005A			838239	BDE	EET CHI	10/15/25 08:22 - 10/15/25 14:22 [1]
Dissolved	Analysis	6010D		1	838846	SJ	EET CHI	10/17/25 22:40

Client Sample ID: T1-WRR-101025
Lab Sample ID: 400-283995-4
Date Collected: 10/10/25 13:25
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838758	W1T	EET CHI	10/17/25 18:40
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 19:35
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 19:35
Dissolved	Prep	3005A			838239	BDE	EET CHI	10/15/25 08:22 - 10/15/25 14:22 [1]
Dissolved	Analysis	6010D		1	838846	SJ	EET CHI	10/17/25 22:44

Lab Chronicle

Client: AECOM
Job ID: 400-283995-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P60-WRR-101025
Lab Sample ID: 400-283995-5
Date Collected: 10/10/25 14:25
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	20	839059	W1T	EET CHI	10/21/25 03:19
Total/NA	Analysis	8260D		2	839124	W1T	EET CHI	10/21/25 18:17
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 20:05
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		5	728055	UI	EET PEN	10/24/25 14:20
Dissolved	Prep	3005A			838239	BDE	EET CHI	10/15/25 08:22 - 10/15/25 14:22 [1]
Dissolved	Analysis	6010D		1	838846	SJ	EET CHI	10/17/25 22:49

Client Sample ID: P60-WRR-101025-DUP
Lab Sample ID: 400-283995-6
Date Collected: 10/10/25 14:25
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	20	839059	W1T	EET CHI	10/21/25 03:43
Total/NA	Analysis	8260D		2	839124	W1T	EET CHI	10/21/25 18:42
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 20:35
Total/NA	Prep	3511			726759	RAW	EET PEN	10/14/25 13:06
Total/NA	Analysis	8270E		5	728055	UI	EET PEN	10/24/25 14:50
Dissolved	Prep	3005A			838239	BDE	EET CHI	10/15/25 08:22 - 10/15/25 14:22 [1]
Dissolved	Analysis	6010D		1	838846	SJ	EET CHI	10/17/25 22:53

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283995-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-126)	(72-124)
400-283995-1	TB-WRR-101025	105	95	96	93
400-283995-2	P87C-WRR-101025	102	95	94	93
400-283995-3	P85D-WRR-101025	97	97	92	92
400-283995-4	T1-WRR-101025	97	96	92	90
400-283995-5 - DL	P60-WRR-101025	100	99	101	97
400-283995-5	P60-WRR-101025	93	99	96	98
400-283995-6 - DL	P60-WRR-101025-DUP	101	99	101	98
400-283995-6	P60-WRR-101025-DUP	94	101	95	99
LCS 500-838426/4	Lab Control Sample	97	95	91	93
LCS 500-838758/20	Lab Control Sample	94	96	89	89
LCS 500-839059/3	Lab Control Sample	99	99	98	97
LCS 500-839124/5	Lab Control Sample	99	99	97	98
LCSD 500-838426/5	Lab Control Sample Dup	98	96	90	93
LCSD 500-838758/21	Lab Control Sample Dup	94	97	88	89
LCSD 500-839059/4	Lab Control Sample Dup	99	99	98	98
LCSD 500-839124/8	Lab Control Sample Dup	98	100	97	98
MB 500-838426/7	Method Blank	106	95	97	92
MB 500-838758/6	Method Blank	99	96	94	92
MB 500-839059/6	Method Blank	105	98	104	97
MB 500-839124/7	Method Blank	101	99	102	98

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-283995-2	P87C-WRR-101025	59	64	84	90	76	85
400-283995-3	P85D-WRR-101025	83	67	86	93	97	87
400-283995-4	T1-WRR-101025	72	73	84	94	85	84
400-283995-5	P60-WRR-101025	90			102	96	
400-283995-5	P60-WRR-101025		64	91			100
400-283995-6	P60-WRR-101025-DUP	84			99	93	
400-283995-6	P60-WRR-101025-DUP		59	88			101
400-283996-G-5-B MS	Matrix Spike	89	63	87	103	92	87
400-283996-G-5-C MSD	Matrix Spike Duplicate	115	59	86	98	113	93
LCS 400-726759/2-A	Lab Control Sample	90	95	81	107	95	85
MB 400-726759/1-A	Method Blank	88	95	85	98	99	87

Surrogate Legend

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

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-283995-1

NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 838426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-1	TB-WRR-101025	Total/NA	Water	8260D	
400-283995-2	P87C-WRR-101025	Total/NA	Water	8260D	
MB 500-838426/7	Method Blank	Total/NA	Water	8260D	
LCS 500-838426/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838426/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 838758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-3	P85D-WRR-101025	Total/NA	Water	8260D	
400-283995-4	T1-WRR-101025	Total/NA	Water	8260D	
MB 500-838758/6	Method Blank	Total/NA	Water	8260D	
LCS 500-838758/20	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838758/21	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 839059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-5 - DL	P60-WRR-101025	Total/NA	Water	8260D	
400-283995-6 - DL	P60-WRR-101025-DUP	Total/NA	Water	8260D	
MB 500-839059/6	Method Blank	Total/NA	Water	8260D	
LCS 500-839059/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-839059/4	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 839124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-5	P60-WRR-101025	Total/NA	Water	8260D	
400-283995-6	P60-WRR-101025-DUP	Total/NA	Water	8260D	
MB 500-839124/7	Method Blank	Total/NA	Water	8260D	
LCS 500-839124/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-839124/8	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-2	P87C-WRR-101025	Total/NA	Water	3511	
400-283995-3	P85D-WRR-101025	Total/NA	Water	3511	
400-283995-4	T1-WRR-101025	Total/NA	Water	3511	
400-283995-5	P60-WRR-101025	Total/NA	Water	3511	
400-283995-6	P60-WRR-101025-DUP	Total/NA	Water	3511	
MB 400-726759/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	3511	
400-283996-G-5-B MS	Matrix Spike	Total/NA	Water	3511	
400-283996-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 727076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-726759/1-A	Method Blank	Total/NA	Water	8270E	726759
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	8270E	726759
400-283996-G-5-B MS	Matrix Spike	Total/NA	Water	8270E	726759
400-283996-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726759

GC/MS Semi VOA

Analysis Batch: 727077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-726759/1-A	Method Blank	Total/NA	Water	8270E	726759
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	8270E	726759
400-283996-G-5-B MS	Matrix Spike	Total/NA	Water	8270E	726759
400-283996-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	726759

Analysis Batch: 727834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-2	P87C-WRR-101025	Total/NA	Water	8270E	726759
400-283995-3	P85D-WRR-101025	Total/NA	Water	8270E	726759
400-283995-4	T1-WRR-101025	Total/NA	Water	8270E	726759

Analysis Batch: 727835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-2	P87C-WRR-101025	Total/NA	Water	8270E	726759
400-283995-3	P85D-WRR-101025	Total/NA	Water	8270E	726759
400-283995-4	T1-WRR-101025	Total/NA	Water	8270E	726759
400-283995-5	P60-WRR-101025	Total/NA	Water	8270E	726759
400-283995-6	P60-WRR-101025-DUP	Total/NA	Water	8270E	726759

Analysis Batch: 728055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-5	P60-WRR-101025	Total/NA	Water	8270E	726759
400-283995-6	P60-WRR-101025-DUP	Total/NA	Water	8270E	726759

Metals

Prep Batch: 838239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-2	P87C-WRR-101025	Dissolved	Water	3005A	
400-283995-3	P85D-WRR-101025	Dissolved	Water	3005A	
400-283995-4	T1-WRR-101025	Dissolved	Water	3005A	
400-283995-5	P60-WRR-101025	Dissolved	Water	3005A	
400-283995-6	P60-WRR-101025-DUP	Dissolved	Water	3005A	
MB 500-838239/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-838239/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-283995-2 MS	P87C-WRR-101025	Dissolved	Water	3005A	
400-283995-2 MSD	P87C-WRR-101025	Dissolved	Water	3005A	
400-283995-2 DU	P87C-WRR-101025	Dissolved	Water	3005A	

Analysis Batch: 838846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283995-2	P87C-WRR-101025	Dissolved	Water	6010D	838239
400-283995-3	P85D-WRR-101025	Dissolved	Water	6010D	838239
400-283995-4	T1-WRR-101025	Dissolved	Water	6010D	838239
400-283995-5	P60-WRR-101025	Dissolved	Water	6010D	838239
400-283995-6	P60-WRR-101025-DUP	Dissolved	Water	6010D	838239
MB 500-838239/1-A	Method Blank	Total Recoverable	Water	6010D	838239
LCS 500-838239/2-A	Lab Control Sample	Total Recoverable	Water	6010D	838239
400-283995-2 MS	P87C-WRR-101025	Dissolved	Water	6010D	838239
400-283995-2 MSD	P87C-WRR-101025	Dissolved	Water	6010D	838239
400-283995-2 DU	P87C-WRR-101025	Dissolved	Water	6010D	838239

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

Lab Sample ID: MB 500-838426/7
Matrix: Water
Analysis Batch: 838426

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/16/25 11:07	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 11:07	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 11:07	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 11:07	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 11:07	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 11:07	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*75 - 120*		*10/16/25 11:07*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/16/25 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/16/25 11:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/16/25 11:07*	*1*

Lab Sample ID: LCS 500-838426/4
Matrix: Water
Analysis Batch: 838426

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	49.7		ug/L		99	70 - 120		
Toluene			50.0	47.3		ug/L		95	70 - 125		
Ethylbenzene			50.0	57.0		ug/L		114	70 - 123		
Xylenes, Total			100	104		ug/L		104	70 - 125		
o-Xylene			50.0	50.3		ug/L		101	70 - 120		
m-Xylene & p-Xylene			50.0	53.7		ug/L		107	70 - 125		
Naphthalene			50.0	48.8		ug/L		98	53 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*97*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*

Lab Sample ID: LCSD 500-838426/5
Matrix: Water
Analysis Batch: 838426

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	50.4		ug/L		101	70 - 120	1	20
Toluene			50.0	47.8		ug/L		96	70 - 125	1	20
Ethylbenzene			50.0	57.0		ug/L		114	70 - 123	0	20
Xylenes, Total			100	106		ug/L		106	70 - 125	2	20
o-Xylene			50.0	51.3		ug/L		103	70 - 120	2	20
m-Xylene & p-Xylene			50.0	54.3		ug/L		109	70 - 125	1	20
Naphthalene			50.0	50.9		ug/L		102	53 - 144	4	20

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

Lab Sample ID: LCSD 500-838426/5
Matrix: Water
Analysis Batch: 838426

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*

Lab Sample ID: MB 500-838758/6
Matrix: Water
Analysis Batch: 838758

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/17/25 15:48	1
Toluene	ND		0.50	0.21	ug/L			10/17/25 15:48	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/17/25 15:48	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/17/25 15:48	1
o-Xylene	ND		0.50	0.21	ug/L			10/17/25 15:48	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/17/25 15:48	1
Naphthalene	ND		1.0	0.44	ug/L			10/17/25 15:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*99*		*75 - 120*		*10/17/25 15:48*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/17/25 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/17/25 15:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/17/25 15:48*	*1*

Lab Sample ID: LCS 500-838758/20
Matrix: Water
Analysis Batch: 838758

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	44.8		ug/L		90	70 - 120
Toluene	50.0	44.5		ug/L		89	70 - 125
Ethylbenzene	50.0	55.1		ug/L		110	70 - 123
Xylenes, Total	100	99.7		ug/L		100	70 - 125
o-Xylene	50.0	48.1		ug/L		96	70 - 120
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 125
Naphthalene	50.0	42.1		ug/L		84	53 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*94*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*

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

Lab Sample ID: LCSD 500-838758/21
Matrix: Water
Analysis Batch: 838758

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	51.3		ug/L		103	70 - 120	14	20
Toluene			50.0	50.7		ug/L		101	70 - 125	13	20
Ethylbenzene			50.0	62.3	*+	ug/L		125	70 - 123	12	20
Xylenes, Total			100	113		ug/L		113	70 - 125	13	20
o-Xylene			50.0	54.8		ug/L		110	70 - 120	13	20
m-Xylene & p-Xylene			50.0	58.7		ug/L		117	70 - 125	13	20
Naphthalene			50.0	48.6		ug/L		97	53 - 144	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane	*94*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*

Lab Sample ID: MB 500-839059/6
Matrix: Water
Analysis Batch: 839059

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/20/25 22:34	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 22:34	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 22:34	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 22:34	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 22:34	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 22:34	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 22:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*75 - 120*		*10/20/25 22:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/20/25 22:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/20/25 22:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/20/25 22:34*	*1*

Lab Sample ID: LCS 500-839059/3
Matrix: Water
Analysis Batch: 839059

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			50.0	46.7		ug/L		93	70 - 120
Toluene			50.0	42.9		ug/L		86	70 - 125
Ethylbenzene			50.0	48.1		ug/L		96	70 - 123
Xylenes, Total			100	89.8		ug/L		90	70 - 125
o-Xylene			50.0	41.9		ug/L		84	70 - 120
m-Xylene & p-Xylene			50.0	47.9		ug/L		96	70 - 125
Naphthalene			50.0	43.9		ug/L		88	53 - 144

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

Lab Sample ID: LCS 500-839059/3
Matrix: Water
Analysis Batch: 839059

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*99*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*

Lab Sample ID: LCSD 500-839059/4
Matrix: Water
Analysis Batch: 839059

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	45.2		ug/L		90	70 - 120	3	20
Toluene			50.0	41.6		ug/L		83	70 - 125	3	20
Ethylbenzene			50.0	47.0		ug/L		94	70 - 123	2	20
Xylenes, Total			100	86.8		ug/L		87	70 - 125	3	20
o-Xylene			50.0	40.6		ug/L		81	70 - 120	3	20
m-Xylene & p-Xylene			50.0	46.1		ug/L		92	70 - 125	4	20
Naphthalene			50.0	42.7		ug/L		85	53 - 144	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane	*99*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*

Lab Sample ID: MB 500-839124/7
Matrix: Water
Analysis Batch: 839124

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/21/25 11:41	1
Toluene	ND		0.50	0.21	ug/L			10/21/25 11:41	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/21/25 11:41	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/21/25 11:41	1
o-Xylene	ND		0.50	0.21	ug/L			10/21/25 11:41	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/21/25 11:41	1
Naphthalene	ND		1.0	0.44	ug/L			10/21/25 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*101*		*75 - 120*		*10/21/25 11:41*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/21/25 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/21/25 11:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/21/25 11:41*	*1*

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

Lab Sample ID: LCS 500-839124/5
Matrix: Water
Analysis Batch: 839124

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	44.9		ug/L		90	70 - 120
Toluene	50.0	41.0		ug/L		82	70 - 125
Ethylbenzene	50.0	46.5		ug/L		93	70 - 123
Xylenes, Total	100	86.4		ug/L		86	70 - 125
o-Xylene	50.0	40.5		ug/L		81	70 - 120
m-Xylene & p-Xylene	50.0	45.9		ug/L		92	70 - 125
Naphthalene	50.0	43.1		ug/L		86	53 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*99*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*

Lab Sample ID: LCSD 500-839124/8
Matrix: Water
Analysis Batch: 839124

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	50.0	44.3		ug/L		89	70 - 120	1	20
Toluene	50.0	40.7		ug/L		81	70 - 125	1	20
Ethylbenzene	50.0	45.9		ug/L		92	70 - 123	1	20
Xylenes, Total	100	84.3		ug/L		84	70 - 125	3	20
o-Xylene	50.0	39.2		ug/L		78	70 - 120	3	20
m-Xylene & p-Xylene	50.0	45.0		ug/L		90	70 - 125	2	20
Naphthalene	50.0	39.7		ug/L		79	53 - 144	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*

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

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/14/25 13:06	10/16/25 19:06	1
Phenol	ND		10	0.68	ug/L		10/14/25 13:06	10/16/25 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*88*		*10 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
Terphenyl-d14	*95*		*43 - 147*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
2,4,6-Tribromophenol	*98*		*10 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
2-Fluorobiphenyl	*85*		*15 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*

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

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	99		10 - 150	10/14/25 13:06	10/16/25 19:06	1
Nitrobenzene-d5	87		50 - 150	10/14/25 13:06	10/16/25 19:06	1

Lab Sample ID: LCS 400-726759/2-A
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	29.9		ug/L		90	24 - 150		
Phenol			33.3	33.6		ug/L		101	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	90		10 - 150
Terphenyl-d14	95		43 - 147
2,4,6-Tribromophenol	107		10 - 150
2-Fluorobiphenyl	81		15 - 150
2-Fluorophenol	95		10 - 150
Nitrobenzene-d5	85		50 - 150

Lab Sample ID: 400-283996-G-5-B MS
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene	ND		33.4	29.8		ug/L		89	50 - 150		
Phenol	ND		33.4	32.3		ug/L		97	50 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5	89		10 - 150
Terphenyl-d14	63		43 - 147
2,4,6-Tribromophenol	103		10 - 150
2-Fluorobiphenyl	87		15 - 150
2-Fluorophenol	92		10 - 150
Nitrobenzene-d5	87		50 - 150

Lab Sample ID: 400-283996-G-5-C MSD
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		33.6	29.4		ug/L		88	50 - 150	2	40
Phenol	ND		33.6	41.5		ug/L		124	50 - 150	25	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5	115		10 - 150
Terphenyl-d14	59		43 - 147
2,4,6-Tribromophenol	98		10 - 150

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

Lab Sample ID: 400-283996-G-5-C MSD
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 726759

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*15 - 150*
2-Fluorophenol	*113*		*10 - 150*
Nitrobenzene-d5	*93*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-838239/1-A
Matrix: Water
Analysis Batch: 838846

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 838239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/15/25 08:22	10/17/25 22:00	1
Barium, Dissolved	ND		10	1.2	ug/L		10/15/25 08:22	10/17/25 22:00	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/15/25 08:22	10/17/25 22:00	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/15/25 08:22	10/17/25 22:00	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/15/25 08:22	10/17/25 22:00	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/15/25 08:22	10/17/25 22:00	1

Lab Sample ID: LCS 500-838239/2-A
Matrix: Water
Analysis Batch: 838846

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 838239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	92.9		ug/L		93	80 - 120
Barium, Dissolved	500	493		ug/L		99	80 - 120
Cobalt, Dissolved	500	538		ug/L		108	80 - 120
Nickel, Dissolved	500	525		ug/L		105	80 - 120
Lead, Dissolved	100	104		ug/L		104	80 - 120
Vanadium, Dissolved	500	456		ug/L		91	80 - 120

Lab Sample ID: 400-283995-2 MS
Matrix: Water
Analysis Batch: 838846

Client Sample ID: P87C-WRR-101025
Prep Type: Dissolved
Prep Batch: 838239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	4.1	J	100	95.5		ug/L		91	75 - 125
Barium, Dissolved	170		500	658		ug/L		98	75 - 125
Cobalt, Dissolved	ND		500	543		ug/L		109	75 - 125
Nickel, Dissolved	ND		500	531		ug/L		106	75 - 125
Lead, Dissolved	ND		100	107		ug/L		107	75 - 125
Vanadium, Dissolved	ND		500	456		ug/L		91	75 - 125

Lab Sample ID: 400-283995-2 MSD
Matrix: Water
Analysis Batch: 838846

Client Sample ID: P87C-WRR-101025
Prep Type: Dissolved
Prep Batch: 838239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	4.1	J	100	96.7		ug/L		93	75 - 125	1	20
Barium, Dissolved	170		500	646		ug/L		95	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-283995-2 MSD
Matrix: Water
Analysis Batch: 838846

Client Sample ID: P87C-WRR-101025
Prep Type: Dissolved
Prep Batch: 838239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt, Dissolved	ND		500	535		ug/L		107	75 - 125	2	20
Nickel, Dissolved	ND		500	523		ug/L		105	75 - 125	2	20
Lead, Dissolved	ND		100	104		ug/L		104	75 - 125	3	20
Vanadium, Dissolved	ND		500	451		ug/L		90	75 - 125	1	20

Lab Sample ID: 400-283995-2 DU
Matrix: Water
Analysis Batch: 838846

Client Sample ID: P87C-WRR-101025
Prep Type: Dissolved
Prep Batch: 838239

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	4.1	J		ND		ug/L				NC	20
Barium, Dissolved	170			171		ug/L				0.6	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

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

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/10/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
100 N Broadway 20th Floor ST LOUIS, MO 63102 USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

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

SAMPLER NAME(S) (Print): Erika Neal Tony Jones

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

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

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com; brett.howell@aecom.com

- * Dissolved metals are field filtered.
- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

400-283995 Chain of Custody

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-101025	10/10/2025	0000	Water	2					2	X			
	P87C-WRR-101025	10/10/2025	0945	Water	3	1		4		8	X	X	X	X
	P85D-WRR-101025	10/10/2025	1200	Water	3	1		4		8	X	X	X	X
	T1-WRR-101025	10/10/2025	1325	Water	3	1		4		8	X	X	X	X
	P60-WRR-101025	10/10/2025	1425	Water	3	1		4		8	X	X	X	X
	P60-WRR-101025-DUP	10/10/2025	1425	Water	3	1		4		8	X	X	X	X

10/10/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 4234 9608 5476	10/10/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	BP	10/11/25	920

Version: 21July25

CUSTODY SEALS: 2698079, 2698078

0.6C IR8

10/27/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850 478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No: 400 387175 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 400-283995-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/22/2025			Preservation Codes:
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: REFINERY 2H Semiannual	Project #: 40002213			
Site: N/A	SSOW#: N/A			Other: N/A

400-283995 COC

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FP) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TB-WRR-101025 (400-283995-1)	10/10/25	Central	G	Water			X		2	
P87C-WRR-101025 (400-283995-2)	10/10/25	09 45 Central	G	Water			X	X	4	
P85D-WRR-101025 (400 283995-3)	10/10/25	12 00 Central	G	Water			X	X	4	
T1-WRR-101025 (400-283995-4)	10/10/25	13 25 Central	G	Water			X	X	4	
P60-WRR-101025 (400-283995-5)	10/10/25	14 25 Central	G	Water			X	X	4	
P60-WRR-101025-DUP (400-283995-6)	10/10/25	14 25 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			Shir Scott	10/14/25 0845	EEN
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
		0.1-30.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283995-1

Login Number: 283995
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283995-1

Login Number: 283995
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/14/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283995-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284155-1-R1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/05/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
The associated MS/MSD recoveries were missing from the summary forms, associated with parent sample P81C-WRR-101425. However, the recoveries were found in the raw data section of the lab reports. No qualification was required due to this anomaly.					
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on November 3, 2025, to correct sample identification for P014-WRR-101425.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		

Method 8270E (SVOC)

The continuous calibration verification (CCV) for phenol was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P81C-WRR-101425	SVOC	Phenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

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

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/3/2025 1:46:14 PM Revision 1

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284155-1

Reviewed By: SS 12/05/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Revision 1

Authorized for release by
Leah Klingensmith, Senior Project Manager
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(615)301-5038

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Job Narrative
400-284155-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Revision
Report revised to correct sample ID; P014-WRR-101425 (400-284155-7). Supersedes report dated 10-27-2025.

Receipt
The samples were received on 10/15/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

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

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727667 recovered outside acceptance criteria, low biased, for Phenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284155-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284155-1	TB-WRR-101425	Water	10/14/25 00:00	10/15/25 09:15	Illinois
400-284155-2	P81C-WRR-101425	Water	10/14/25 09:05	10/15/25 09:15	Illinois
400-284155-3	P81B-WRR-101425	Water	10/14/25 10:05	10/15/25 09:15	Illinois
400-284155-4	P81A-WRR-101425	Water	10/14/25 10:20	10/15/25 09:15	Illinois
400-284155-5	P81D-WRR-101425	Water	10/14/25 10:50	10/15/25 09:15	Illinois
400-284155-6	P01-WRR-101425	Water	10/14/25 12:25	10/15/25 09:15	Illinois
400-284155-7	P014-WRR-101425	Water	10/14/25 12:40	10/15/25 09:15	Illinois
400-284155-8	P95-WRR-101425	Water	10/14/25 13:55	10/15/25 09:15	Illinois
400-284155-9	P95-WRR-101425-DUP	Water	10/14/25 13:55	10/15/25 09:15	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284155-1

Client Sample ID: TB-WRR-101425 — Lab Sample ID: 400-284155-1

No Detections.

Client Sample ID: P81C-WRR-101425 — Lab Sample ID: 400-284155-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	400		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	53		10	4.8	ug/L	1		6010D	Dissolved

Client Sample ID: P81B-WRR-101425 — Lab Sample ID: 400-284155-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	180		10	1.2	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.6	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P81A-WRR-101425 — Lab Sample ID: 400-284155-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	120		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	56		10	4.8	ug/L	1		6010D	Dissolved

Client Sample ID: P81D-WRR-101425 — Lab Sample ID: 400-284155-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	360		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P01-WRR-101425 — Lab Sample ID: 400-284155-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	87		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P014-WRR-101425 — Lab Sample ID: 400-284155-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	61		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P95-WRR-101425 — Lab Sample ID: 400-284155-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	4.9	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	160		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	15		5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	9.8	J	10	4.8	ug/L	1		6010D	Dissolved

Client Sample ID: P95-WRR-101425-DUP — Lab Sample ID: 400-284155-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	5.5	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	170		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	16		5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	10		10	4.8	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101425
Lab Sample ID: 400-284155-1
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/22/25 23:19	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 23:19	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 23:19	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 23:19	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 23:19	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 23:19	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/22/25 23:19*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/22/25 23:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/22/25 23:19*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/22/25 23:19*	*1*

Client Sample ID: P81C-WRR-101425
Lab Sample ID: 400-284155-2
Date Collected: 10/14/25 09:05
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/22/25 23:44	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 23:44	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 23:44	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 23:44	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 23:44	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 23:44	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/22/25 23:44*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/22/25 23:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/22/25 23:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/22/25 23:44*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/22/25 15:12	1
Phenol	ND	UJ	9.9	0.68	ug/L		10/16/25 10:31	10/22/25 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*49*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:12*	*1*
Terphenyl-d14	*54*		*43 - 147*	*10/16/25 10:31*	*10/22/25 15:12*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:12*	*1*
2-Fluorobiphenyl	*68*		*15 - 150*	*10/16/25 10:31*	*10/22/25 15:12*	*1*
2-Fluorophenol	*58*		*10 - 150*	*10/16/25 10:31*	*10/22/25 15:12*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*10/16/25 10:31*	*10/22/25 15:12*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 04:34	1
Barium, Dissolved	**400**		10	1.2	ug/L		10/20/25 14:18	10/22/25 04:34	1

Client Sample ID: P81C-WRR-101425
Lab Sample ID: 400-284155-2
Date Collected: 10/14/25 09:05
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 04:34	1
Nickel, Dissolved	**53**		10	4.8	ug/L		10/20/25 14:18	10/22/25 04:34	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 04:34	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 04:34	1

Client Sample ID: P81B-WRR-101425
Lab Sample ID: 400-284155-3
Date Collected: 10/14/25 10:05
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 00:09	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 00:09	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 00:09	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 00:09	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 00:09	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 00:09	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*75 - 120*		*10/23/25 00:09*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/23/25 00:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/23/25 00:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/23/25 00:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/24/25 17:07	1
Phenol	ND		9.9	0.67	ug/L		10/16/25 10:31	10/24/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:07*	*1*
Terphenyl-d14	*56*		*43 - 147*	*10/16/25 10:31*	*10/24/25 17:07*	*1*
2,4,6-Tribromophenol	*108*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:07*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*10/16/25 10:31*	*10/24/25 17:07*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:07*	*1*
Nitrobenzene-d5	*115*		*50 - 150*	*10/16/25 10:31*	*10/24/25 17:07*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 04:57	1
Barium, Dissolved	**180**		10	1.2	ug/L		10/20/25 14:18	10/22/25 04:57	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 04:57	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/20/25 14:18	10/22/25 04:57	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 04:57	1
Vanadium, Dissolved	**1.6**	**J**	5.0	0.92	ug/L		10/20/25 14:18	10/22/25 04:57	1

Client Sample ID: P81A-WRR-101425
Lab Sample ID: 400-284155-4
Date Collected: 10/14/25 10:20
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 00:34	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 00:34	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 00:34	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 00:34	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 00:34	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 00:34	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/25 00:34*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/23/25 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/23/25 00:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/23/25 00:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/24/25 17:40	1
Phenol	ND		9.9	0.67	ug/L		10/16/25 10:31	10/24/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:40*	*1*
Terphenyl-d14	*55*		*43 - 147*	*10/16/25 10:31*	*10/24/25 17:40*	*1*
2,4,6-Tribromophenol	*105*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:40*	*1*
2-Fluorobiphenyl	*74*		*15 - 150*	*10/16/25 10:31*	*10/24/25 17:40*	*1*
2-Fluorophenol	*67*		*10 - 150*	*10/16/25 10:31*	*10/24/25 17:40*	*1*
Nitrobenzene-d5	*112*		*50 - 150*	*10/16/25 10:31*	*10/24/25 17:40*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 05:10	1
Barium, Dissolved	**120**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:10	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:10	1
Nickel, Dissolved	**56**		10	4.8	ug/L		10/20/25 14:18	10/22/25 05:10	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:10	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:10	1

Client Sample ID: P81D-WRR-101425
Lab Sample ID: 400-284155-5
Date Collected: 10/14/25 10:50
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 01:00	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 01:00	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 01:00	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 01:00	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 01:00	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 01:00	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 01:00	1

Client Sample ID: P81D-WRR-101425
Lab Sample ID: 400-284155-5
Date Collected: 10/14/25 10:50
Matrix: Water
Date Received: 10/15/25 09:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/25 01:00*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/23/25 01:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/23/25 01:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/23/25 01:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:31	10/24/25 18:13	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:31	10/24/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:13*	*1*
Terphenyl-d14	*54*		*43 - 147*	*10/16/25 10:31*	*10/24/25 18:13*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:13*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/16/25 10:31*	*10/24/25 18:13*	*1*
2-Fluorophenol	*65*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:13*	*1*
Nitrobenzene-d5	*108*		*50 - 150*	*10/16/25 10:31*	*10/24/25 18:13*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 05:15	1
Barium, Dissolved	**360**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:15	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:15	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/20/25 14:18	10/22/25 05:15	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:15	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:15	1

Client Sample ID: P01-WRR-101425
Lab Sample ID: 400-284155-6
Date Collected: 10/14/25 12:25
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 01:25	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 01:25	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 01:25	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 01:25	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 01:25	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 01:25	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*75 - 120*		*10/23/25 01:25*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/23/25 01:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/23/25 01:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/23/25 01:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:31	10/24/25 18:45	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:31	10/24/25 18:45	1

Client Sample ID: P01-WRR-101425
Lab Sample ID: 400-284155-6
Date Collected: 10/14/25 12:25
Matrix: Water
Date Received: 10/15/25 09:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*70*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:45*	*1*
Terphenyl-d14	*52*		*43 - 147*	*10/16/25 10:31*	*10/24/25 18:45*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:45*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*10/16/25 10:31*	*10/24/25 18:45*	*1*
2-Fluorophenol	*65*		*10 - 150*	*10/16/25 10:31*	*10/24/25 18:45*	*1*
Nitrobenzene-d5	*104*		*50 - 150*	*10/16/25 10:31*	*10/24/25 18:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 05:19	1
Barium, Dissolved	**87**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:19	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:19	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/20/25 14:18	10/22/25 05:19	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:19	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:19	1

Client Sample ID: P014-WRR-101425
Lab Sample ID: 400-284155-7
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 01:51	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 01:51	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 01:51	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 01:51	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 01:51	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 01:51	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/25 01:51*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/23/25 01:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/23/25 01:51*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/23/25 01:51*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/24/25 19:18	1
Phenol	ND		9.9	0.67	ug/L		10/16/25 10:31	10/24/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*70*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:18*	*1*
Terphenyl-d14	*55*		*43 - 147*	*10/16/25 10:31*	*10/24/25 19:18*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:18*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*10/16/25 10:31*	*10/24/25 19:18*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:18*	*1*
Nitrobenzene-d5	*113*		*50 - 150*	*10/16/25 10:31*	*10/24/25 19:18*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 05:24	1

Client Sample ID: P014-WRR-101425
Lab Sample ID: 400-284155-7
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**61**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:24	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:24	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/20/25 14:18	10/22/25 05:24	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:24	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:24	1

Client Sample ID: P95-WRR-101425
Lab Sample ID: 400-284155-8
Date Collected: 10/14/25 13:55
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 02:17	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 02:17	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 02:17	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 02:17	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 02:17	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 02:17	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/25 02:17*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/23/25 02:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/23/25 02:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/23/25 02:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/24/25 19:51	1
Phenol	ND		9.9	0.68	ug/L		10/16/25 10:31	10/24/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*71*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:51*	*1*
Terphenyl-d14	*51*		*43 - 147*	*10/16/25 10:31*	*10/24/25 19:51*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:51*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/16/25 10:31*	*10/24/25 19:51*	*1*
2-Fluorophenol	*67*		*10 - 150*	*10/16/25 10:31*	*10/24/25 19:51*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*10/16/25 10:31*	*10/24/25 19:51*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**4.9**	**J**	10	3.7	ug/L		10/20/25 14:18	10/22/25 05:28	1
Barium, Dissolved	**160**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:28	1
Cobalt, Dissolved	**15**		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:28	1
Nickel, Dissolved	**9.8**	**J**	10	4.8	ug/L		10/20/25 14:18	10/22/25 05:28	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:28	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:28	1

Client: AECOM
Job ID: 400-284155-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P95-WRR-101425-DUP
Lab Sample ID: 400-284155-9
Date Collected: 10/14/25 13:55
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/23/25 02:42	1
Toluene	ND		0.50	0.21	ug/L			10/23/25 02:42	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/23/25 02:42	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/23/25 02:42	1
o-Xylene	ND		0.50	0.21	ug/L			10/23/25 02:42	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/23/25 02:42	1
Naphthalene	ND		1.0	0.44	ug/L			10/23/25 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/23/25 02:42*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/23/25 02:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/23/25 02:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/23/25 02:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/16/25 10:31	10/24/25 20:24	1
Phenol	ND		9.9	0.68	ug/L		10/16/25 10:31	10/24/25 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*57*		*10 - 150*	*10/16/25 10:31*	*10/24/25 20:24*	*1*
Terphenyl-d14	*65*		*43 - 147*	*10/16/25 10:31*	*10/24/25 20:24*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*10/16/25 10:31*	*10/24/25 20:24*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*10/16/25 10:31*	*10/24/25 20:24*	*1*
2-Fluorophenol	*61*		*10 - 150*	*10/16/25 10:31*	*10/24/25 20:24*	*1*
Nitrobenzene-d5	*107*		*50 - 150*	*10/16/25 10:31*	*10/24/25 20:24*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**5.5**	**J**	10	3.7	ug/L		10/20/25 14:18	10/22/25 05:33	1
Barium, Dissolved	**170**		10	1.2	ug/L		10/20/25 14:18	10/22/25 05:33	1
Cobalt, Dissolved	**16**		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 05:33	1
Nickel, Dissolved	**10**		10	4.8	ug/L		10/20/25 14:18	10/22/25 05:33	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 05:33	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 05:33	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284155-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284155-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284155-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101425
Lab Sample ID: 400-284155-1
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/22/25 23:19

Client Sample ID: P81C-WRR-101425
Lab Sample ID: 400-284155-2
Date Collected: 10/14/25 09:05
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/22/25 23:44
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727666	JAW	EET PEN	10/22/25 15:12
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	727667	JAW	EET PEN	10/22/25 15:12
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 04:34

Client Sample ID: P81B-WRR-101425
Lab Sample ID: 400-284155-3
Date Collected: 10/14/25 10:05
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 00:09
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 17:07
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 17:07
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 04:57

Client Sample ID: P81A-WRR-101425
Lab Sample ID: 400-284155-4
Date Collected: 10/14/25 10:20
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 00:34
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 17:40
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 17:40
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:10

Client Sample ID: P81D-WRR-101425
Lab Sample ID: 400-284155-5
Date Collected: 10/14/25 10:50
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 01:00
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 18:13
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 18:13
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:15

Client Sample ID: P01-WRR-101425
Lab Sample ID: 400-284155-6
Date Collected: 10/14/25 12:25
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 01:25
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 18:45
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 18:45
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:19

Client Sample ID: P014-WRR-101425
Lab Sample ID: 400-284155-7
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 01:51
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 19:18
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 19:18
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:24

Client Sample ID: P95-WRR-101425
Lab Sample ID: 400-284155-8
Date Collected: 10/14/25 13:55
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 02:17
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 19:51
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 19:51

Lab Chronicle

Client: AECOM
Job ID: 400-284155-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P95-WRR-101425
Lab Sample ID: 400-284155-8
Date Collected: 10/14/25 13:55
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:28

Client Sample ID: P95-WRR-101425-DUP
Lab Sample ID: 400-284155-9
Date Collected: 10/14/25 13:55
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	839554	W1T	EET CHI	10/23/25 02:42
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728111	S1B	EET PEN	10/24/25 20:24
Total/NA	Prep	3511			727030	AMM	EET PEN	10/16/25 10:31
Total/NA	Analysis	8270E		1	728112	JAW	EET PEN	10/24/25 20:24
Dissolved	Prep	3005A			839051	MS	EET CHI	10/20/25 14:18 - 10/20/25 20:18 [1]
Dissolved	Analysis	6010D		1	839396	SJ	EET CHI	10/22/25 05:33

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284155-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-126)	(72-124)
400-284155-1	TB-WRR-101425	100	103	101	99
400-284155-2	P81C-WRR-101425	100	103	99	97
400-284155-2 MS	P81C-WRR-101425	99	103	101	96
400-284155-2 MSD	P81C-WRR-101425	99	103	96	94
400-284155-3	P81B-WRR-101425	98	103	100	99
400-284155-4	P81A-WRR-101425	100	103	101	97
400-284155-5	P81D-WRR-101425	100	104	101	98
400-284155-6	P01-WRR-101425	98	105	100	100
400-284155-7	P014-WRR-101425	100	104	103	98
400-284155-8	P95-WRR-101425	100	104	99	100
400-284155-9	P95-WRR-101425-DUP	100	103	102	97
LCS 500-839554/3	Lab Control Sample	98	103	97	94
LCSD 500-839554/4	Lab Control Sample Dup	99	103	96	94
MB 500-839554/7	Method Blank	100	104	101	99

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284155-2	P81C-WRR-101425	49	54	68	92	58	93
400-284155-2 MS	P81C-WRR-101425	63	47	66	92	64	91
400-284155-2 MSD	P81C-WRR-101425	62	44	63	90	64	92
400-284155-3	P81B-WRR-101425	67	56	76	108	69	115
400-284155-4	P81A-WRR-101425	67	55	74	105	67	112
400-284155-5	P81D-WRR-101425	67	54	73	101	65	108
400-284155-6	P01-WRR-101425	70	52	72	102	65	104
400-284155-7	P014-WRR-101425	70	55	80	100	69	113
400-284155-8	P95-WRR-101425	71	51	73	102	67	102
400-284155-9	P95-WRR-101425-DUP	57	65	76	100	61	107
LCS 400-727030/2-A	Lab Control Sample	66	63	64	91	66	92
MB 400-727030/1-A	Method Blank	61	68	73	96	68	104

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 839554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-1	TB-WRR-101425	Total/NA	Water	8260D	
400-284155-2	P81C-WRR-101425	Total/NA	Water	8260D	
400-284155-3	P81B-WRR-101425	Total/NA	Water	8260D	
400-284155-4	P81A-WRR-101425	Total/NA	Water	8260D	
400-284155-5	P81D-WRR-101425	Total/NA	Water	8260D	
400-284155-6	P01-WRR-101425	Total/NA	Water	8260D	
400-284155-7	P014-WRR-101425	Total/NA	Water	8260D	
400-284155-8	P95-WRR-101425	Total/NA	Water	8260D	
400-284155-9	P95-WRR-101425-DUP	Total/NA	Water	8260D	
MB 500-839554/7	Method Blank	Total/NA	Water	8260D	
LCS 500-839554/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-839554/4	Lab Control Sample Dup	Total/NA	Water	8260D	
400-284155-2 MS	P81C-WRR-101425	Total/NA	Water	8260D	
400-284155-2 MSD	P81C-WRR-101425	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-2	P81C-WRR-101425	Total/NA	Water	3511	
400-284155-3	P81B-WRR-101425	Total/NA	Water	3511	
400-284155-4	P81A-WRR-101425	Total/NA	Water	3511	
400-284155-5	P81D-WRR-101425	Total/NA	Water	3511	
400-284155-6	P01-WRR-101425	Total/NA	Water	3511	
400-284155-7	P014-WRR-101425	Total/NA	Water	3511	
400-284155-8	P95-WRR-101425	Total/NA	Water	3511	
400-284155-9	P95-WRR-101425-DUP	Total/NA	Water	3511	
MB 400-727030/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727030/2-A	Lab Control Sample	Total/NA	Water	3511	
400-284155-2 MS	P81C-WRR-101425	Total/NA	Water	3511	
400-284155-2 MSD	P81C-WRR-101425	Total/NA	Water	3511	

Analysis Batch: 727666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-2	P81C-WRR-101425	Total/NA	Water	8270E	727030
MB 400-727030/1-A	Method Blank	Total/NA	Water	8270E	727030
LCS 400-727030/2-A	Lab Control Sample	Total/NA	Water	8270E	727030
400-284155-2 MS	P81C-WRR-101425	Total/NA	Water	8270E	727030
400-284155-2 MSD	P81C-WRR-101425	Total/NA	Water	8270E	727030

Analysis Batch: 727667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-2	P81C-WRR-101425	Total/NA	Water	8270E	727030
MB 400-727030/1-A	Method Blank	Total/NA	Water	8270E	727030
LCS 400-727030/2-A	Lab Control Sample	Total/NA	Water	8270E	727030
400-284155-2 MS	P81C-WRR-101425	Total/NA	Water	8270E	727030
400-284155-2 MSD	P81C-WRR-101425	Total/NA	Water	8270E	727030

Analysis Batch: 728111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-3	P81B-WRR-101425	Total/NA	Water	8270E	727030

GC/MS Semi VOA (Continued)

Analysis Batch: 728111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-4	P81A-WRR-101425	Total/NA	Water	8270E	727030
400-284155-5	P81D-WRR-101425	Total/NA	Water	8270E	727030
400-284155-6	P01-WRR-101425	Total/NA	Water	8270E	727030
400-284155-7	P014-WRR-101425	Total/NA	Water	8270E	727030
400-284155-8	P95-WRR-101425	Total/NA	Water	8270E	727030
400-284155-9	P95-WRR-101425-DUP	Total/NA	Water	8270E	727030

Analysis Batch: 728112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-3	P81B-WRR-101425	Total/NA	Water	8270E	727030
400-284155-4	P81A-WRR-101425	Total/NA	Water	8270E	727030
400-284155-5	P81D-WRR-101425	Total/NA	Water	8270E	727030
400-284155-6	P01-WRR-101425	Total/NA	Water	8270E	727030
400-284155-7	P014-WRR-101425	Total/NA	Water	8270E	727030
400-284155-8	P95-WRR-101425	Total/NA	Water	8270E	727030
400-284155-9	P95-WRR-101425-DUP	Total/NA	Water	8270E	727030

Metals

Prep Batch: 839051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-2	P81C-WRR-101425	Dissolved	Water	3005A	
400-284155-3	P81B-WRR-101425	Dissolved	Water	3005A	
400-284155-4	P81A-WRR-101425	Dissolved	Water	3005A	
400-284155-5	P81D-WRR-101425	Dissolved	Water	3005A	
400-284155-6	P01-WRR-101425	Dissolved	Water	3005A	
400-284155-7	P014-WRR-101425	Dissolved	Water	3005A	
400-284155-8	P95-WRR-101425	Dissolved	Water	3005A	
400-284155-9	P95-WRR-101425-DUP	Dissolved	Water	3005A	
MB 500-839051/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-839051/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284155-2 MS	P81C-WRR-101425	Dissolved	Water	3005A	
400-284155-2 MSD	P81C-WRR-101425	Dissolved	Water	3005A	
400-284155-2 DU	P81C-WRR-101425	Dissolved	Water	3005A	

Analysis Batch: 839396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284155-2	P81C-WRR-101425	Dissolved	Water	6010D	839051
400-284155-3	P81B-WRR-101425	Dissolved	Water	6010D	839051
400-284155-4	P81A-WRR-101425	Dissolved	Water	6010D	839051
400-284155-5	P81D-WRR-101425	Dissolved	Water	6010D	839051
400-284155-6	P01-WRR-101425	Dissolved	Water	6010D	839051
400-284155-7	P014-WRR-101425	Dissolved	Water	6010D	839051
400-284155-8	P95-WRR-101425	Dissolved	Water	6010D	839051
400-284155-9	P95-WRR-101425-DUP	Dissolved	Water	6010D	839051
MB 500-839051/1-A	Method Blank	Total Recoverable	Water	6010D	839051
LCS 500-839051/2-A	Lab Control Sample	Total Recoverable	Water	6010D	839051
400-284155-2 MS	P81C-WRR-101425	Dissolved	Water	6010D	839051
400-284155-2 MSD	P81C-WRR-101425	Dissolved	Water	6010D	839051
400-284155-2 DU	P81C-WRR-101425	Dissolved	Water	6010D	839051

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-839554/7
Matrix: Water
Analysis Batch: 839554

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.18	ug/L			10/22/25 22:53	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 22:53	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 22:53	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 22:53	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 22:53	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 22:53	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 22:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 120*		*10/22/25 22:53*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/22/25 22:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/22/25 22:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/22/25 22:53*	*1*

Lab Sample ID: LCS 500-839554/3
Matrix: Water
Analysis Batch: 839554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	47.9		ug/L		96	70 - 120		
Toluene			50.0	47.7		ug/L		95	70 - 125		
Ethylbenzene			50.0	47.8		ug/L		96	70 - 123		
Xylenes, Total			100	89.6		ug/L		90	70 - 125		
o-Xylene			50.0	44.5		ug/L		89	70 - 120		
m-Xylene & p-Xylene			50.0	45.0		ug/L		90	70 - 125		
Naphthalene			50.0	49.8		ug/L		100	53 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*

Lab Sample ID: LCSD 500-839554/4
Matrix: Water
Analysis Batch: 839554

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			50.0	45.6		ug/L		91	70 - 120	5	20
Toluene			50.0	44.9		ug/L		90	70 - 125	6	20
Ethylbenzene			50.0	45.9		ug/L		92	70 - 123	4	20
Xylenes, Total			100	85.5		ug/L		85	70 - 125	5	20
o-Xylene			50.0	42.8		ug/L		86	70 - 120	4	20
m-Xylene & p-Xylene			50.0	42.6		ug/L		85	70 - 125	5	20
Naphthalene			50.0	50.9		ug/L		102	53 - 144	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-839554/4
Matrix: Water
Analysis Batch: 839554

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane	99		75 - 120
Toluene-d8 (Surr)	103		75 - 120
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
4-Bromofluorobenzene (Surr)	94		72 - 124

Lab Sample ID: 400-284155-2 MS
Matrix: Water
Analysis Batch: 839554

Client Sample ID: P81C-WRR-101425
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	99		75 - 120
Toluene-d8 (Surr)	103		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
4-Bromofluorobenzene (Surr)	96		72 - 124

Lab Sample ID: 400-284155-2 MSD
Matrix: Water
Analysis Batch: 839554

Client Sample ID: P81C-WRR-101425
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	99		75 - 120
Toluene-d8 (Surr)	103		75 - 120
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
4-Bromofluorobenzene (Surr)	94		72 - 124

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727030/1-A
Matrix: Water
Analysis Batch: 727666

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:31	10/22/25 13:03	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:31	10/22/25 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	61		10 - 150	10/16/25 10:31	10/22/25 13:03	1
Terphenyl-d14	68		43 - 147	10/16/25 10:31	10/22/25 13:03	1
2,4,6-Tribromophenol	96		10 - 150	10/16/25 10:31	10/22/25 13:03	1
2-Fluorobiphenyl	73		15 - 150	10/16/25 10:31	10/22/25 13:03	1
2-Fluorophenol	68		10 - 150	10/16/25 10:31	10/22/25 13:03	1
Nitrobenzene-d5	104		50 - 150	10/16/25 10:31	10/22/25 13:03	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727030/2-A
Matrix: Water
Analysis Batch: 727666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	20.7		ug/L		62	24 - 150		
Phenol			33.3	22.9		ug/L		69	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*66*		*10 - 150*
Terphenyl-d14	*63*		*43 - 147*
2,4,6-Tribromophenol	*91*		*10 - 150*
2-Fluorobiphenyl	*64*		*15 - 150*
2-Fluorophenol	*66*		*10 - 150*
Nitrobenzene-d5	*92*		*50 - 150*

Lab Sample ID: 400-284155-2 MS
Matrix: Water
Analysis Batch: 727666

Client Sample ID: P81C-WRR-101425
Prep Type: Total/NA
Prep Batch: 727030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene	ND		33.1	20.6		ug/L		62	50 - 150		
Phenol	ND		33.1	19.6		ug/L		59	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*63*		*10 - 150*
Terphenyl-d14	*47*		*43 - 147*
2,4,6-Tribromophenol	*92*		*10 - 150*
2-Fluorobiphenyl	*66*		*15 - 150*
2-Fluorophenol	*64*		*10 - 150*
Nitrobenzene-d5	*91*		*50 - 150*

Lab Sample ID: 400-284155-2 MSD
Matrix: Water
Analysis Batch: 727666

Client Sample ID: P81C-WRR-101425
Prep Type: Total/NA
Prep Batch: 727030

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		33.3	19.5		ug/L		58	50 - 150	6	40
Phenol	ND		33.3	19.8		ug/L		59	50 - 150	1	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*62*		*10 - 150*
Terphenyl-d14	*44*		*43 - 147*
2,4,6-Tribromophenol	*90*		*10 - 150*
2-Fluorobiphenyl	*63*		*15 - 150*
2-Fluorophenol	*64*		*10 - 150*
Nitrobenzene-d5	*92*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-839051/1-A
Matrix: Water
Analysis Batch: 839396

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/20/25 14:18	10/22/25 04:25	1
Barium, Dissolved	ND		10	1.2	ug/L		10/20/25 14:18	10/22/25 04:25	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/20/25 14:18	10/22/25 04:25	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/20/25 14:18	10/22/25 04:25	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/20/25 14:18	10/22/25 04:25	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/20/25 14:18	10/22/25 04:25	1

Lab Sample ID: LCS 500-839051/2-A
Matrix: Water
Analysis Batch: 839396

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 839051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	92.3		ug/L		92	80 - 120
Barium, Dissolved	500	491		ug/L		98	80 - 120
Cobalt, Dissolved	500	487		ug/L		97	80 - 120
Nickel, Dissolved	500	480		ug/L		96	80 - 120
Lead, Dissolved	100	98.5		ug/L		99	80 - 120
Vanadium, Dissolved	500	485		ug/L		97	80 - 120

Lab Sample ID: 400-284155-2 MS
Matrix: Water
Analysis Batch: 839396

Client Sample ID: P81C-WRR-101425
Prep Type: Dissolved
Prep Batch: 839051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	97.9		ug/L		98	75 - 125
Barium, Dissolved	400		500	882		ug/L		97	75 - 125
Cobalt, Dissolved	ND		500	488		ug/L		98	75 - 125
Nickel, Dissolved	53		500	535		ug/L		96	75 - 125
Lead, Dissolved	ND		100	98.6		ug/L		99	75 - 125
Vanadium, Dissolved	ND		500	485		ug/L		97	75 - 125

Lab Sample ID: 400-284155-2 MSD
Matrix: Water
Analysis Batch: 839396

Client Sample ID: P81C-WRR-101425
Prep Type: Dissolved
Prep Batch: 839051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	97.7		ug/L		98	75 - 125	0	20
Barium, Dissolved	400		500	874		ug/L		95	75 - 125	1	20
Cobalt, Dissolved	ND		500	489		ug/L		98	75 - 125	0	20
Nickel, Dissolved	53		500	535		ug/L		96	75 - 125	0	20
Lead, Dissolved	ND		100	99.6		ug/L		100	75 - 125	1	20
Vanadium, Dissolved	ND		500	482		ug/L		96	75 - 125	1	20

Lab Sample ID: 400-284155-2 DU
Matrix: Water
Analysis Batch: 839396

Client Sample ID: P81C-WRR-101425
Prep Type: Dissolved
Prep Batch: 839051

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic, Dissolved	ND		ND		ug/L		NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284155-2 DU
Matrix: Water
Analysis Batch: 839396

Client Sample ID: P81C-WRR-101425
Prep Type: Dissolved
Prep Batch: 839051

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Barium, Dissolved	400			407		ug/L				2	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	53			53.9		ug/L				2	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/14/2025
PO #	**GSAP Project ID**	PAGE. ___1___ of ___1___
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL:	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal, Tony Jones

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 7 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com, brett.howell@aecom.com

- **Dissolved metals are field filtered.**
- **Include "J" values on Reports.**
- **Provide sample receipt upon login.**
- **Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)	FIELD NOTES.
	TB-WRR-101425	10/14/2025	0000	Water	2					2	X				
	P81C-WRR-101425	10/14/2025	0905	Water	3	1		4		8	X	X	X	X	
	P81C-WRR-101425-MS	10/14/2025	0905	Water	3	1		4		8	X	X	X	X	
	P81C-WRR-101425-MSD	10/14/2025	0905	Water	3	1		4		8	X	X	X	X	
	P81B-WRR-101425	10/14/2025	1005	Water	3	1		4		8	X	X	X	X	
	P81A-WRR-101425	10/14/2025	1020	Water	3	1		4		8	X	X	X	X	
	P81D-WRR-101425	10/14/2025	1050	Water	3	1		4		8	X	X	X	X	
	P01-WRR-101425	10/14/2025	1225	Water	3	1		4		8	X	X	X	X	
	P-014-WRR-101425	10/14/2025	1240	Water	3	1		4		8	X	X	X	X	
	P95-WRR-101425	10/14/2025	1355	Water	3	1		4		8	X	X	X	X	
	P95-WRR-101425-DUP	10/14/2025	1355	Water	3	1		4		8	X	X	X	X	

400-284155 Chain of Custody

Relinquished by: (Signature) Tony James	Received by: (Signature) FEDEX: 4234 9608 5487	Date: 10/14/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 10-15-25	Time: 914 915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698086/ 2698087

5.0°C IR1

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474 1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387474 1
Client Contact.	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 2
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400 284155 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/24/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708-534-5211(Fa	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

400-284155 COC

Analysis Requested

Preservation Codes:

Other
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TB-WRR-101425 (400 284155-1)	10/14/25	Central	G	Water			X		2	
P81C-WRR-101425 (400-284155-2)	10/14/25	09.05 Central	G	Water			X	X	4	
P81C WRR-101425 (400 284155-2MS)	10/14/25	09:05 Central	G	Water			X	X	4	
P81C-WRR-101425 (400 284155-2MSD)	10/14/25	09:05 Central	G	Water			X	X	4	
P81B-WRR-101425 (400-284155-3)	10/14/25	10:05 Central	G	Water			X	X	4	
P81A WRR 101425 (400 284155-4)	10/14/25	10.20 Central	G	Water			X	X	4	
P81D-WRR-101425 (400 284155 5)	10/14/25	10 50 Central	G	Water			X	X	4	
P01-WRR-101425 (400-284155-6)	10/14/25	12.25 Central	G	Water			X	X	4	
P 014 WRR-101425 (400-284155 7)	10/14/25	12 40 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/16/25 17W	ECH		10/17/25 0900	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		2.4 -2.2

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474-1001 Fax 850 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387474 2
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 2 of 2
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400 284155-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/24/2025			
City	**TAT Requested (days).**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534-5200(Tel) 708 534 5211(Fax)	N/A			
Email.	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

Analysis Requested

Preservation Codes:

Other
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B - BTEX + Napthalene (Chl)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
P95-WRR 101425 (400-284155-8)	10/14/25	13.55 Central	G	Water			X	X	4	
P95 WRR-101425 DUP (400-284155 9)	10/14/25	13 55 Central	G	Water			X	X	4	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/16/25 1700	EET		10/17/25 0900	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284155-1

Login Number: 284155
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284155-1

Login Number: 284155
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/18/25 08:39 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284155-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284248-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/08/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method	X			
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/28/2025 9:15:03 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284248-1

Reviewed By: SS 12/08/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
10/28/2025 9:15:03 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284248-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/16/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727296.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727296.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284248-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284248-1	TB-WRR-101525	Water	10/15/25 00:00	10/16/25 09:45	Illinois
400-284248-2	P82C-WRR-101525	Water	10/15/25 08:55	10/16/25 09:45	Illinois
400-284248-3	P82B-WRR-101525	Water	10/15/25 09:25	10/16/25 09:45	Illinois
400-284248-4	P82A-WRR-101525	Water	10/15/25 09:50	10/16/25 09:45	Illinois
400-284248-5	P82A-WRR-101525-DUP	Water	10/15/25 09:50	10/16/25 09:45	Illinois
400-284248-6	P82D-WRR-101525	Water	10/15/25 10:00	10/16/25 09:45	Illinois
400-284248-7	P4U-WRR-101525	Water	10/15/25 11:25	10/16/25 09:45	Illinois
400-284248-8	P15-WRR-101525	Water	10/15/25 11:35	10/16/25 09:45	Illinois
400-284248-9	P6U-WRR-101525	Water	10/15/25 12:55	10/16/25 09:45	Illinois
400-284248-10	P16-WRR-101525	Water	10/15/25 13:15	10/16/25 09:45	Illinois
400-284248-11	P16-WRR-101525-DUP	Water	10/15/25 13:15	10/16/25 09:45	Illinois

Detection Summary

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101525 — Lab Sample ID: 400-284248-1

No Detections.

Client Sample ID: P82C-WRR-101525 — Lab Sample ID: 400-284248-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	77		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P82B-WRR-101525 — Lab Sample ID: 400-284248-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	9.3	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	160		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P82A-WRR-101525 — Lab Sample ID: 400-284248-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	230		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	1.8	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	110		10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.4	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P82A-WRR-101525-DUP — Lab Sample ID: 400-284248-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	220		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	1.9	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	130		10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.7	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P82D-WRR-101525 — Lab Sample ID: 400-284248-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	79		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P4U-WRR-101525 — Lab Sample ID: 400-284248-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	120		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P15-WRR-101525 — Lab Sample ID: 400-284248-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.0	0.50	ug/L	1		8260D	Total/NA
Toluene	5.3		1.0	0.90	ug/L	1		8260D	Total/NA
Ethylbenzene	0.80	J	1.0	0.50	ug/L	1		8260D	Total/NA
Xylenes, Total	15		10	6.0	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	13		5.0	3.0	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	3.1		0.20	0.076	ug/L	1		8270E	Total/NA
Barium, Dissolved	470		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	8.8	J	10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	41		5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P6U-WRR-101525 — Lab Sample ID: 400-284248-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	92		10	1.2	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284248-1

Client Sample ID: P16-WRR-101525 — Lab Sample ID: 400-284248-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic, Dissolved	3.8	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	110		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	5.0		5.0	0.78	ug/L	1		6010D	Dissolved

Client Sample ID: P16-WRR-101525-DUP — Lab Sample ID: 400-284248-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	110		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	5.0		5.0	0.78	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101525
Lab Sample ID: 400-284248-1
Date Collected: 10/15/25 00:00
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 16:36	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 16:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 16:36	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 16:36	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 16:36	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 16:36	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/22/25 16:36*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*10/22/25 16:36*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/22/25 16:36*	*1*

Client Sample ID: P82C-WRR-101525
Lab Sample ID: 400-284248-2
Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 15:14	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 15:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 15:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 15:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 15:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 15:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*56 - 136*		*10/22/25 15:14*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*10/22/25 15:14*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/22/25 15:14*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/18/25 11:05	10/27/25 16:45	1
Phenol	ND		9.8	0.67	ug/L		10/18/25 11:05	10/27/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*59*		*10 - 150*	*10/18/25 11:05*	*10/27/25 16:45*	*1*
Terphenyl-d14	*70*		*43 - 147*	*10/18/25 11:05*	*10/27/25 16:45*	*1*
2,4,6-Tribromophenol	*81*		*10 - 150*	*10/18/25 11:05*	*10/27/25 16:45*	*1*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/18/25 11:05*	*10/27/25 16:45*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/18/25 11:05*	*10/27/25 16:45*	*1*
Nitrobenzene-d5	*73*		*50 - 150*	*10/18/25 11:05*	*10/27/25 16:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 17:52	1
Barium, Dissolved	**77**		10	1.2	ug/L		10/21/25 08:44	10/22/25 17:52	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 17:52	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 17:52	1

Client Sample ID: P82C-WRR-101525
Lab Sample ID: 400-284248-2
Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 17:52	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 17:52	1

Client Sample ID: P82B-WRR-101525
Lab Sample ID: 400-284248-3
Date Collected: 10/15/25 09:25
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 16:56	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 16:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 16:56	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 16:56	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 16:56	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 16:56	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/22/25 16:56*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*10/22/25 16:56*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/22/25 16:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.075	ug/L		10/18/25 11:05	10/27/25 17:15	1
Phenol	ND		9.8	0.67	ug/L		10/18/25 11:05	10/27/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*62*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:15*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/18/25 11:05*	*10/27/25 17:15*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:15*	*1*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/18/25 11:05*	*10/27/25 17:15*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:15*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/18/25 11:05*	*10/27/25 17:15*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**9.3**	**J**	10	3.7	ug/L		10/21/25 08:44	10/22/25 17:57	1
Barium, Dissolved	**160**		10	1.2	ug/L		10/21/25 08:44	10/22/25 17:57	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 17:57	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 17:57	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 17:57	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 17:57	1

Client Sample ID: P82A-WRR-101525
Lab Sample ID: 400-284248-4
Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 17:17	1

Client Sample ID: P82A-WRR-101525
Lab Sample ID: 400-284248-4
Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.90	ug/L			10/22/25 17:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 17:17	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 17:17	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:17	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:17	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*56 - 136*		*10/22/25 17:17*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/22/25 17:17*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 17:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:05	10/27/25 17:45	1
Phenol	ND		10	0.69	ug/L		10/18/25 11:05	10/27/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*65*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:45*	*1*
Terphenyl-d14	*72*		*43 - 147*	*10/18/25 11:05*	*10/27/25 17:45*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:45*	*1*
2-Fluorobiphenyl	*68*		*15 - 150*	*10/18/25 11:05*	*10/27/25 17:45*	*1*
2-Fluorophenol	*72*		*10 - 150*	*10/18/25 11:05*	*10/27/25 17:45*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/18/25 11:05*	*10/27/25 17:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:01	1
Barium, Dissolved	**230**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:01	1
Cobalt, Dissolved	**1.8**	**J**	5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:01	1
Nickel, Dissolved	**110**		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:01	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:01	1
Vanadium, Dissolved	**1.4**	**J**	5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:01	1

Client Sample ID: P82A-WRR-101525-DUP
Lab Sample ID: 400-284248-5
Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 17:37	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 17:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 17:37	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 17:37	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:37	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:37	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*56 - 136*		*10/22/25 17:37*	*1*
Dibromofluoromethane	*90*		*79 - 130*		*10/22/25 17:37*	*1*

Client Sample ID: P82A-WRR-101525-DUP

Lab Sample ID: 400-284248-5

Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/22/25 17:37*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/18/25 11:05	10/27/25 18:16	1
Phenol	ND		9.9	0.67	ug/L		10/18/25 11:05	10/27/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*63*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:16*	*1*
Terphenyl-d14	*68*		*43 - 147*	*10/18/25 11:05*	*10/27/25 18:16*	*1*
2,4,6-Tribromophenol	*78*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:16*	*1*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/18/25 11:05*	*10/27/25 18:16*	*1*
2-Fluorophenol	*70*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:16*	*1*
Nitrobenzene-d5	*77*		*50 - 150*	*10/18/25 11:05*	*10/27/25 18:16*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:06	1
Barium, Dissolved	**220**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:06	1
Cobalt, Dissolved	**1.9**	**J**	5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:06	1
Nickel, Dissolved	**130**		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:06	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:06	1
Vanadium, Dissolved	**1.7**	**J**	5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:06	1

Client Sample ID: P82D-WRR-101525

Lab Sample ID: 400-284248-6

Date Collected: 10/15/25 10:00
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 17:58	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 17:58	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 17:58	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 17:58	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:58	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 17:58	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/22/25 17:58*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*10/22/25 17:58*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/22/25 17:58*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:05	10/27/25 18:46	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/27/25 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*62*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:46*	*1*
Terphenyl-d14	*68*		*43 - 147*	*10/18/25 11:05*	*10/27/25 18:46*	*1*

Client Sample ID: P82D-WRR-101525
Lab Sample ID: 400-284248-6
Date Collected: 10/15/25 10:00
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:46*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*10/18/25 11:05*	*10/27/25 18:46*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/18/25 11:05*	*10/27/25 18:46*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*10/18/25 11:05*	*10/27/25 18:46*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:11	1
Barium, Dissolved	**79**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:11	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:11	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:11	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:11	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:11	1

Client Sample ID: P4U-WRR-101525
Lab Sample ID: 400-284248-7
Date Collected: 10/15/25 11:25
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 18:19	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 18:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 18:19	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 18:19	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 18:19	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 18:19	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*10/22/25 18:19*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*10/22/25 18:19*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 18:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:05	10/27/25 19:15	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/27/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*60*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:15*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/18/25 11:05*	*10/27/25 19:15*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:15*	*1*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/18/25 11:05*	*10/27/25 19:15*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:15*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*10/18/25 11:05*	*10/27/25 19:15*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:15	1
Barium, Dissolved	**120**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:15	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:15	1

Client Sample ID: P4U-WRR-101525
Lab Sample ID: 400-284248-7
Date Collected: 10/15/25 11:25
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:15	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:15	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:15	1

Client Sample ID: P15-WRR-101525
Lab Sample ID: 400-284248-8
Date Collected: 10/15/25 11:35
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.4**		1.0	0.50	ug/L			10/22/25 18:39	1
Toluene	**5.3**		1.0	0.90	ug/L			10/22/25 18:39	1
Ethylbenzene	**0.80**	**J**	1.0	0.50	ug/L			10/22/25 18:39	1
Xylenes, Total	**15**		10	6.0	ug/L			10/22/25 18:39	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 18:39	1
m-Xylene & p-Xylene	**13**		5.0	3.0	ug/L			10/22/25 18:39	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*56 - 136*		*10/22/25 18:39*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/22/25 18:39*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 18:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**3.1**		0.20	0.076	ug/L		10/18/25 11:05	10/27/25 19:45	1
Phenol	ND		9.9	0.67	ug/L		10/18/25 11:05	10/27/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*62*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:45*	*1*
Terphenyl-d14	*59*		*43 - 147*	*10/18/25 11:05*	*10/27/25 19:45*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:45*	*1*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/18/25 11:05*	*10/27/25 19:45*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/18/25 11:05*	*10/27/25 19:45*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/18/25 11:05*	*10/27/25 19:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:20	1
Barium, Dissolved	**470**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:20	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:20	1
Nickel, Dissolved	**8.8**	**J**	10	4.8	ug/L		10/21/25 08:44	10/22/25 18:20	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:20	1
Vanadium, Dissolved	**41**		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:20	1

Client Sample ID: P6U-WRR-101525
Lab Sample ID: 400-284248-9
Date Collected: 10/15/25 12:55
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 19:00	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 19:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 19:00	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 19:00	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:00	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:00	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*56 - 136*		*10/22/25 19:00*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/22/25 19:00*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/22/25 19:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:05	10/27/25 20:15	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/27/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*64*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:15*	*1*
Terphenyl-d14	*75*		*43 - 147*	*10/18/25 11:05*	*10/27/25 20:15*	*1*
2,4,6-Tribromophenol	*74*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:15*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/18/25 11:05*	*10/27/25 20:15*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:15*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/18/25 11:05*	*10/27/25 20:15*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:33	1
Barium, Dissolved	**92**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:33	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:33	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:33	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:33	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:33	1

Client Sample ID: P16-WRR-101525
Lab Sample ID: 400-284248-10
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 19:20	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 19:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 19:20	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 19:20	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:20	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/22/25 19:20*	*1*

Client Sample ID: P16-WRR-101525
Lab Sample ID: 400-284248-10
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*79 - 130*		*10/22/25 19:20*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/22/25 19:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:05	10/27/25 20:45	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/27/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*62*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:45*	*1*
Terphenyl-d14	*54*		*43 - 147*	*10/18/25 11:05*	*10/27/25 20:45*	*1*
2,4,6-Tribromophenol	*65*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:45*	*1*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/18/25 11:05*	*10/27/25 20:45*	*1*
2-Fluorophenol	*70*		*10 - 150*	*10/18/25 11:05*	*10/27/25 20:45*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*10/18/25 11:05*	*10/27/25 20:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.8**	**J**	10	3.7	ug/L		10/21/25 08:44	10/22/25 18:37	1
Barium, Dissolved	**110**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:37	1
Cobalt, Dissolved	**5.0**		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:37	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:37	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:37	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:37	1

Client Sample ID: P16-WRR-101525-DUP
Lab Sample ID: 400-284248-11
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 19:41	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 19:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 19:41	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 19:41	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:41	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 19:41	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*10/22/25 19:41*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*10/22/25 19:41*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/22/25 19:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:05	10/27/25 21:15	1
Phenol	ND		10	0.69	ug/L		10/18/25 11:05	10/27/25 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*67*		*10 - 150*	*10/18/25 11:05*	*10/27/25 21:15*	*1*

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P16-WRR-101525-DUP
Lab Sample ID: 400-284248-11
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*43 - 147*	*10/18/25 11:05*	*10/27/25 21:15*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*10/18/25 11:05*	*10/27/25 21:15*	*1*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/18/25 11:05*	*10/27/25 21:15*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/18/25 11:05*	*10/27/25 21:15*	*1*
Nitrobenzene-d5	*77*		*50 - 150*	*10/18/25 11:05*	*10/27/25 21:15*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 18:42	1
Barium, Dissolved	**110**		10	1.2	ug/L		10/21/25 08:44	10/22/25 18:42	1
Cobalt, Dissolved	**5.0**		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 18:42	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 18:42	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 18:42	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 18:42	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284248-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101525
Lab Sample ID: 400-284248-1
Date Collected: 10/15/25 00:00
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 16:36

Client Sample ID: P82C-WRR-101525
Lab Sample ID: 400-284248-2
Date Collected: 10/15/25 08:55
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 15:14
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 16:45
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 16:45
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 17:52

Client Sample ID: P82B-WRR-101525
Lab Sample ID: 400-284248-3
Date Collected: 10/15/25 09:25
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 16:56
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 17:15
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 17:15
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 17:57

Client Sample ID: P82A-WRR-101525
Lab Sample ID: 400-284248-4
Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 17:17
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 17:45
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 17:45
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:01

Lab Chronicle

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P82A-WRR-101525-DUP
Lab Sample ID: 400-284248-5
Date Collected: 10/15/25 09:50
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 17:37
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 18:16
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 18:16
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:06

Client Sample ID: P82D-WRR-101525
Lab Sample ID: 400-284248-6
Date Collected: 10/15/25 10:00
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 17:58
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 18:46
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 18:46
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:11

Client Sample ID: P4U-WRR-101525
Lab Sample ID: 400-284248-7
Date Collected: 10/15/25 11:25
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 18:19
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 19:15
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 19:15
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:15

Client Sample ID: P15-WRR-101525
Lab Sample ID: 400-284248-8
Date Collected: 10/15/25 11:35
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 18:39
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 19:45
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 19:45

Lab Chronicle

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P15-WRR-101525
Lab Sample ID: 400-284248-8
Date Collected: 10/15/25 11:35
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:20

Client Sample ID: P6U-WRR-101525
Lab Sample ID: 400-284248-9
Date Collected: 10/15/25 12:55
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 19:00
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 20:15
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 20:15
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:33

Client Sample ID: P16-WRR-101525
Lab Sample ID: 400-284248-10
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 19:20
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 20:45
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 20:45
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:37

Client Sample ID: P16-WRR-101525-DUP
Lab Sample ID: 400-284248-11
Date Collected: 10/15/25 13:15
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727686	HES	EET PEN	10/22/25 19:41
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728279	S1B	EET PEN	10/27/25 21:15
Total/NA	Prep	3511			727296	RAW	EET PEN	10/18/25 11:05
Total/NA	Analysis	8270E		1	728280	S1B	EET PEN	10/27/25 21:15
Dissolved	Prep	3005A			839157	BDE	EET CHI	10/21/25 08:44 - 10/21/25 14:44 [1]
Dissolved	Analysis	6010D		1	839593	SJ	EET CHI	10/22/25 18:42

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284248-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284248-1	TB-WRR-101525	113	95	109
400-284248-2	P82C-WRR-101525	110	94	110
400-284248-2 MS	P82C-WRR-101525	114	94	111
400-284248-2 MSD	P82C-WRR-101525	110	93	112
400-284248-3	P82B-WRR-101525	109	95	110
400-284248-4	P82A-WRR-101525	110	93	112
400-284248-5	P82A-WRR-101525-DUP	111	90	109
400-284248-6	P82D-WRR-101525	109	94	111
400-284248-7	P4U-WRR-101525	107	94	112
400-284248-8	P15-WRR-101525	110	93	112
400-284248-9	P6U-WRR-101525	111	93	110
400-284248-10	P16-WRR-101525	109	92	110
400-284248-11	P16-WRR-101525-DUP	108	96	109
LCS 400-727686/1002	Lab Control Sample	115	94	113
MB 400-727686/5	Method Blank	112	96	112

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284248-2	P82C-WRR-101525	59	70	67	81	68	73
400-284248-3	P82B-WRR-101525	62	71	67	76	69	74
400-284248-4	P82A-WRR-101525	65	72	68	77	72	74
400-284248-5	P82A-WRR-101525-DUP	63	68	67	78	70	77
400-284248-6	P82D-WRR-101525	62	68	76	77	69	80
400-284248-7	P4U-WRR-101525	60	71	67	76	68	75
400-284248-8	P15-WRR-101525	62	59	70	75	68	83
400-284248-9	P6U-WRR-101525	64	75	73	74	71	83
400-284248-10	P16-WRR-101525	62	54	67	65	70	75
400-284248-11	P16-WRR-101525-DUP	67	55	69	71	74	77
LCS 400-727296/2-A	Lab Control Sample	39			26	34	
LCSD 400-727296/3-A	Lab Control Sample Dup	43			34	39	
MB 400-727296/1-A	Method Blank	58			56	60	

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 727686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-1	TB-WRR-101525	Total/NA	Water	8260D	
400-284248-2	P82C-WRR-101525	Total/NA	Water	8260D	
400-284248-3	P82B-WRR-101525	Total/NA	Water	8260D	
400-284248-4	P82A-WRR-101525	Total/NA	Water	8260D	
400-284248-5	P82A-WRR-101525-DUP	Total/NA	Water	8260D	
400-284248-6	P82D-WRR-101525	Total/NA	Water	8260D	
400-284248-7	P4U-WRR-101525	Total/NA	Water	8260D	
400-284248-8	P15-WRR-101525	Total/NA	Water	8260D	
400-284248-9	P6U-WRR-101525	Total/NA	Water	8260D	
400-284248-10	P16-WRR-101525	Total/NA	Water	8260D	
400-284248-11	P16-WRR-101525-DUP	Total/NA	Water	8260D	
MB 400-727686/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727686/1002	Lab Control Sample	Total/NA	Water	8260D	
400-284248-2 MS	P82C-WRR-101525	Total/NA	Water	8260D	
400-284248-2 MSD	P82C-WRR-101525	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-2	P82C-WRR-101525	Total/NA	Water	3511	
400-284248-3	P82B-WRR-101525	Total/NA	Water	3511	
400-284248-4	P82A-WRR-101525	Total/NA	Water	3511	
400-284248-5	P82A-WRR-101525-DUP	Total/NA	Water	3511	
400-284248-6	P82D-WRR-101525	Total/NA	Water	3511	
400-284248-7	P4U-WRR-101525	Total/NA	Water	3511	
400-284248-8	P15-WRR-101525	Total/NA	Water	3511	
400-284248-9	P6U-WRR-101525	Total/NA	Water	3511	
400-284248-10	P16-WRR-101525	Total/NA	Water	3511	
400-284248-11	P16-WRR-101525-DUP	Total/NA	Water	3511	
MB 400-727296/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727296/1-A	Method Blank	Total/NA	Water	8270E	727296
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296

Analysis Batch: 728279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-2	P82C-WRR-101525	Total/NA	Water	8270E	727296
400-284248-3	P82B-WRR-101525	Total/NA	Water	8270E	727296
400-284248-4	P82A-WRR-101525	Total/NA	Water	8270E	727296
400-284248-5	P82A-WRR-101525-DUP	Total/NA	Water	8270E	727296
400-284248-6	P82D-WRR-101525	Total/NA	Water	8270E	727296
400-284248-7	P4U-WRR-101525	Total/NA	Water	8270E	727296
400-284248-8	P15-WRR-101525	Total/NA	Water	8270E	727296
400-284248-9	P6U-WRR-101525	Total/NA	Water	8270E	727296
400-284248-10	P16-WRR-101525	Total/NA	Water	8270E	727296

GC/MS Semi VOA (Continued)

Analysis Batch: 728279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-11	P16-WRR-101525-DUP	Total/NA	Water	8270E	727296

Analysis Batch: 728280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-2	P82C-WRR-101525	Total/NA	Water	8270E	727296
400-284248-3	P82B-WRR-101525	Total/NA	Water	8270E	727296
400-284248-4	P82A-WRR-101525	Total/NA	Water	8270E	727296
400-284248-5	P82A-WRR-101525-DUP	Total/NA	Water	8270E	727296
400-284248-6	P82D-WRR-101525	Total/NA	Water	8270E	727296
400-284248-7	P4U-WRR-101525	Total/NA	Water	8270E	727296
400-284248-8	P15-WRR-101525	Total/NA	Water	8270E	727296
400-284248-9	P6U-WRR-101525	Total/NA	Water	8270E	727296
400-284248-10	P16-WRR-101525	Total/NA	Water	8270E	727296
400-284248-11	P16-WRR-101525-DUP	Total/NA	Water	8270E	727296

Metals

Prep Batch: 839157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-2	P82C-WRR-101525	Dissolved	Water	3005A	
400-284248-3	P82B-WRR-101525	Dissolved	Water	3005A	
400-284248-4	P82A-WRR-101525	Dissolved	Water	3005A	
400-284248-5	P82A-WRR-101525-DUP	Dissolved	Water	3005A	
400-284248-6	P82D-WRR-101525	Dissolved	Water	3005A	
400-284248-7	P4U-WRR-101525	Dissolved	Water	3005A	
400-284248-8	P15-WRR-101525	Dissolved	Water	3005A	
400-284248-9	P6U-WRR-101525	Dissolved	Water	3005A	
400-284248-10	P16-WRR-101525	Dissolved	Water	3005A	
400-284248-11	P16-WRR-101525-DUP	Dissolved	Water	3005A	
MB 500-839157/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-839157/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 839593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284248-2	P82C-WRR-101525	Dissolved	Water	6010D	839157
400-284248-3	P82B-WRR-101525	Dissolved	Water	6010D	839157
400-284248-4	P82A-WRR-101525	Dissolved	Water	6010D	839157
400-284248-5	P82A-WRR-101525-DUP	Dissolved	Water	6010D	839157
400-284248-6	P82D-WRR-101525	Dissolved	Water	6010D	839157
400-284248-7	P4U-WRR-101525	Dissolved	Water	6010D	839157
400-284248-8	P15-WRR-101525	Dissolved	Water	6010D	839157
400-284248-9	P6U-WRR-101525	Dissolved	Water	6010D	839157
400-284248-10	P16-WRR-101525	Dissolved	Water	6010D	839157
400-284248-11	P16-WRR-101525-DUP	Dissolved	Water	6010D	839157
MB 500-839157/1-A	Method Blank	Total Recoverable	Water	6010D	839157
LCS 500-839157/2-A	Lab Control Sample	Total Recoverable	Water	6010D	839157

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-727686/5
Matrix: Water
Analysis Batch: 727686

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/22/25 14:53	1
Toluene	ND		1.0	0.90	ug/L			10/22/25 14:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/22/25 14:53	1
Xylenes, Total	ND		10	6.0	ug/L			10/22/25 14:53	1
o-Xylene	ND		5.0	3.0	ug/L			10/22/25 14:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/22/25 14:53	1
Naphthalene	ND		5.0	3.0	ug/L			10/22/25 14:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*56 - 136*		*10/22/25 14:53*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*10/22/25 14:53*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/22/25 14:53*	*1*

Lab Sample ID: LCS 400-727686/1002
Matrix: Water
Analysis Batch: 727686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	46.2		ug/L		92	70 - 130
Toluene	50.0	51.1		ug/L		102	70 - 130
Ethylbenzene	50.0	57.0		ug/L		114	70 - 130
Xylenes, Total	100	113		ug/L		113	70 - 130
o-Xylene	50.0	55.6		ug/L		111	70 - 130
m-Xylene & p-Xylene	50.0	57.2		ug/L		114	70 - 130
Naphthalene	50.0	46.1		ug/L		92	47 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*115*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*113*		*64 - 132*

Lab Sample ID: 400-284248-2 MS
Matrix: Water
Analysis Batch: 727686

Client Sample ID: P82C-WRR-101525
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		50.0	46.7		ug/L		93	56 - 142
Toluene	ND		50.0	49.4		ug/L		99	65 - 130
Ethylbenzene	ND		50.0	53.3		ug/L		107	58 - 131
Xylenes, Total	ND		100	106		ug/L		106	59 - 130
o-Xylene	ND		50.0	52.9		ug/L		106	61 - 130
m-Xylene & p-Xylene	ND		50.0	53.6		ug/L		107	57 - 130
Naphthalene	ND		50.0	46.5		ug/L		93	25 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284248-2 MS
Matrix: Water
Analysis Batch: 727686

Client Sample ID: P82C-WRR-101525
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*111*		*64 - 132*

Lab Sample ID: 400-284248-2 MSD
Matrix: Water
Analysis Batch: 727686

Client Sample ID: P82C-WRR-101525
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	41.2		ug/L		82	56 - 142	12	30
Toluene	ND		50.0	45.1		ug/L		90	65 - 130	9	30
Ethylbenzene	ND		50.0	48.4		ug/L		97	58 - 131	10	30
Xylenes, Total	ND		100	97.3		ug/L		97	59 - 130	9	30
o-Xylene	ND		50.0	48.2		ug/L		96	61 - 130	9	30
m-Xylene & p-Xylene	ND		50.0	49.0		ug/L		98	57 - 130	9	30
Naphthalene	ND		50.0	40.3		ug/L		81	25 - 150	14	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*110*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*112*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	0.68	ug/L		10/18/25 11:04	10/25/25 16:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*58*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2,4,6-Tribromophenol	*56*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2-Fluorophenol	*60*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol			33.3	19.3		ug/L		58	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*39*		*10 - 150*
2,4,6-Tribromophenol	*26*		*10 - 150*
2-Fluorophenol	*34*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			33.3	20.6		ug/L		62	10 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*43*		*10 - 150*
2,4,6-Tribromophenol	*34*		*10 - 150*
2-Fluorophenol	*39*		*10 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-839157/1-A
Matrix: Water
Analysis Batch: 839593

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:44	10/22/25 17:44	1
Barium, Dissolved	ND		10	1.2	ug/L		10/21/25 08:44	10/22/25 17:44	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:44	10/22/25 17:44	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:44	10/22/25 17:44	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:44	10/22/25 17:44	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:44	10/22/25 17:44	1

Lab Sample ID: LCS 500-839157/2-A
Matrix: Water
Analysis Batch: 839593

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 839157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	98.1		ug/L		98	80 - 120
Barium, Dissolved	500	476		ug/L		95	80 - 120
Cobalt, Dissolved	500	496		ug/L		99	80 - 120
Nickel, Dissolved	500	519		ug/L		104	80 - 120
Lead, Dissolved	100	108		ug/L		108	80 - 120
Vanadium, Dissolved	500	504		ug/L		101	80 - 120

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG | ☐ PIPELINE | ☐ RETAIL
☐ CHEMICALS | ☐ CONSULTANT | ☐ LUBES
☐ TRANSPORTATION | ☑ OTHER ENV SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/15/2025
PO #	GSAP Project ID	PAGE. 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal, Tony Jones

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES .

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

- * Dissolved metals are field filtered.
- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-101525	10/15/2025	0000	Water	2					2	X			
	P82C-WRR-101525	10/15/2025	0855	Water	3	1		4		8	X	X	X	X
	P82B-WRR-101525	10/15/2025	0925	Water	3	1		4		8	X	X	X	X
	P82A-WRR-101525	10/15/2025	0950	Water	3	1		4		8	X	X	X	X
	P82A-WRR-101525-DUP	10/15/2025	0950	Water	3	1		4		8	X	X	X	X
	P82D-WRR-101525	10/15/2025	1000	Water	3	1		4		8	X	X	X	X
	P4U-WRR-101525	10/15/2025	1125	Water	3	1		4		8	X	X	X	X
	P15-WRR-101525	10/15/2025	1135	Water	3	1		4		8	X	X	X	X
	P6U-WRR-101525	10/15/2025	1255	Water	3	1		4		8	X	X	X	X
	P16-WRR-101525	10/15/2025	1315	Water	3	1		4		8	X	X	X	X
	P16-WRR-101525-DUP	10/15/2025	1315	Water	3	1		4		8	X	X	X	X

FIELD NOTES:

400-284248 Chain of Custody

Relinquished by: (Signature) Tony Remiger	Received by: (Signature) FEDEX: 4234 9608 5502	Date: 10/15/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) (Eurofins)	Date: 10/16/25	Time: 945
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698085, 2698084

0.0°C/IR10

10/28/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387602 1
Client Contact.	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 2
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400 284248-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/27/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708 534 5211(Fax	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

400-284248 COC

Analysis Requested

Preservation Codes:

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chi)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P82C-WRR 101525 (400-284248-2)	10/15/25	08 55 Central	G	Water			X	1	
P82B-WRR 101525 (400 284248-3)	10/15/25	09.25 Central	G	Water			X	1	
P82A-WRR 101525 (400 284248-4)	10/15/25	09 50 Central	G	Water			X	1	
P82A WRR-101525-DUP (400 284248-5)	10/15/25	09 50 Central	G	Water			X	1	
P82D WRR-101525 (400-284248-6)	10/15/25	10 00 Central	G	Water			X	1	
P4U-WRR 101525 (400 284248-7)	10/15/25	11.25 Central	G	Water			X	1	
P15-WRR-101525 (400 284248 8)	10/15/25	11 35 Central	G	Water			X	1	
P6U WRR-101525 (400 284248 9)	10/15/25	12 55 Central	G	Water			X	1	
P16-WRR-101525 (400 284248 10)	10/15/25	13 15 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other Instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/17/25	DWEETS		10/18/25 1000	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		Unchilled

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387602 2
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 2 of 2
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400 284248 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/27/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534-5200(Tel) 708-534-5211(Fax)	N/A			
Email:	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

Analysis Requested

Preservation Codes.

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chi)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P16-WRR 101525-DUP (400 284248-11)	10/15/25	13 15 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/17/25 1200	FEDEX		10/18/25 1000	FEDEX
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284248-1

Login Number: 284248
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284248-1

Login Number: 284248
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/18/25 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284248-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284314-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/08/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P88A-WRR-101625	SVOCs	Phenol-d5	**1**	10-150
P88A-WRR-101625	SVOCs	2-Fluorophenol	**5**	10-150

Professional judgement was used to qualify as estimated, however, not reject the SVOC results associated with sample P88A-WRR-101625 due to poor surrogate recoveries. The associated results in sample P88A-WRR-101625 were qualified as estimated (UJ) for non-detects.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	70-130% and the medium/high acceptance range of 90-110% as applicable to the method				
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/30/2025 11:32:02 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284314-1

Reviewed By: SS 12/08/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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10/30/2025 11:32:02 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284314-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/17/2025 9:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 1.2°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: Surrogate recovery for the following sample was outside control limits: P88A-WRR-101625 (400-284314-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284314-1	TB-WRR-101625	Water	10/16/25 00:00	10/17/25 09:29	Illinois
400-284314-2	P88C-WRR-101625	Water	10/16/25 09:00	10/17/25 09:29	Illinois
400-284314-3	P88B-WRR-101625	Water	10/16/25 09:40	10/17/25 09:29	Illinois
400-284314-4	P88A-WRR-101625	Water	10/16/25 10:30	10/17/25 09:29	Illinois
400-284314-5	P88D-WRR-101625	Water	10/16/25 10:50	10/17/25 09:29	Illinois
400-284314-6	P86D-WRR-101625	Water	10/16/25 12:05	10/17/25 09:29	Illinois
400-284314-7	P86C-WRR-101625	Water	10/16/25 12:20	10/17/25 09:29	Illinois
400-284314-8	P86B-WRR-101625	Water	10/16/25 12:35	10/17/25 09:29	Illinois
400-284314-9	P86A-WRR-101625	Water	10/16/25 12:50	10/17/25 09:29	Illinois
400-284314-10	P8U-WRR-101625	Water	10/16/25 13:35	10/17/25 09:29	Illinois
400-284314-11	P8U-WRR-101625-DUP	Water	10/16/25 13:35	10/17/25 09:29	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Client Sample ID: TB-WRR-101625 — Lab Sample ID: 400-284314-1

No Detections.

Client Sample ID: P88C-WRR-101625 — Lab Sample ID: 400-284314-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	450		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P88B-WRR-101625 — Lab Sample ID: 400-284314-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	280		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P88A-WRR-101625 — Lab Sample ID: 400-284314-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	94		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	4.1	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	190		10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	4.4	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P88D-WRR-101625 — Lab Sample ID: 400-284314-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	510		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P86D-WRR-101625 — Lab Sample ID: 400-284314-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	86		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P86C-WRR-101625 — Lab Sample ID: 400-284314-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	29		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P86B-WRR-101625 — Lab Sample ID: 400-284314-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	10		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	1.4	J	5.0	0.78	ug/L	1		6010D	Dissolved
Lead, Dissolved	2.8	J	5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	4.2	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P86A-WRR-101625 — Lab Sample ID: 400-284314-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	140		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P8U-WRR-101625 — Lab Sample ID: 400-284314-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	36		0.20	0.076	ug/L	1		8270E	Total/NA
Barium, Dissolved	95		10	1.2	ug/L	1		6010D	Dissolved
Lead, Dissolved	2.9	J	5.0	2.7	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Job ID: 400-284314-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P8U-WRR-101625-DUP
Lab Sample ID: 400-284314-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	34		0.20	0.076	ug/L	1		8270E	Total/NA
Barium, Dissolved	95		10	1.2	ug/L	1		6010D	Dissolved
Lead, Dissolved	2.9	J	5.0	2.7	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101625
Lab Sample ID: 400-284314-1
Date Collected: 10/16/25 00:00
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 17:01	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 17:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 17:01	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 17:01	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:01	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/23/25 17:01*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/23/25 17:01*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 17:01*	*1*

Client Sample ID: P88C-WRR-101625
Lab Sample ID: 400-284314-2
Date Collected: 10/16/25 09:00
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 17:22	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 17:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 17:22	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 17:22	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:22	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*10/23/25 17:22*	*1*
Dibromofluoromethane	*90*		*79 - 130*		*10/23/25 17:22*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/23/25 17:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/26/25 22:33	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/26/25 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*66*		*10 - 150*	*10/18/25 11:12*	*10/26/25 22:33*	*1*
Terphenyl-d14	*75*		*43 - 147*	*10/18/25 11:12*	*10/26/25 22:33*	*1*
2,4,6-Tribromophenol	*134*		*10 - 150*	*10/18/25 11:12*	*10/26/25 22:33*	*1*
2-Fluorobiphenyl	*107*		*15 - 150*	*10/18/25 11:12*	*10/26/25 22:33*	*1*
2-Fluorophenol	*79*		*10 - 150*	*10/18/25 11:12*	*10/26/25 22:33*	*1*
Nitrobenzene-d5	*140*		*50 - 150*	*10/18/25 11:12*	*10/26/25 22:33*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 17:49	1
Barium, Dissolved	**450**		10	1.2	ug/L		10/21/25 08:48	10/22/25 17:49	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 17:49	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 17:49	1

Client Sample ID: P88C-WRR-101625
Lab Sample ID: 400-284314-2
Date Collected: 10/16/25 09:00
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 17:49	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 17:49	1

Client Sample ID: P88B-WRR-101625
Lab Sample ID: 400-284314-3
Date Collected: 10/16/25 09:40
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 15:39	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 15:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 15:39	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 15:39	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 15:39	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 15:39	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*56 - 136*		*10/23/25 15:39*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*10/23/25 15:39*	*1*
Toluene-d8 (Surr)	*114*		*64 - 132*		*10/23/25 15:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/26/25 18:17	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/26/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*72*		*10 - 150*	*10/18/25 11:12*	*10/26/25 18:17*	*1*
Terphenyl-d14	*73*		*43 - 147*	*10/18/25 11:12*	*10/26/25 18:17*	*1*
2,4,6-Tribromophenol	*137*		*10 - 150*	*10/18/25 11:12*	*10/26/25 18:17*	*1*
2-Fluorobiphenyl	*103*		*15 - 150*	*10/18/25 11:12*	*10/26/25 18:17*	*1*
2-Fluorophenol	*83*		*10 - 150*	*10/18/25 11:12*	*10/26/25 18:17*	*1*
Nitrobenzene-d5	*142*		*50 - 150*	*10/18/25 11:12*	*10/26/25 18:17*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 17:54	1
Barium, Dissolved	**280**		10	1.2	ug/L		10/21/25 08:48	10/22/25 17:54	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 17:54	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 17:54	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 17:54	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 17:54	1

Client Sample ID: P88A-WRR-101625
Lab Sample ID: 400-284314-4
Date Collected: 10/16/25 10:30
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 17:42	1

Client Sample ID: P88A-WRR-101625

Lab Sample ID: 400-284314-4

Date Collected: 10/16/25 10:30

Matrix: Water

Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.90	ug/L			10/23/25 17:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 17:42	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 17:42	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 17:42	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/23/25 17:42*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/23/25 17:42*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/23/25 17:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:12	10/26/25 23:05	1
Phenol	ND	UJ	10	0.68	ug/L		10/18/25 11:12	10/26/25 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*1*	*S1-*	*10 - 150*	*10/18/25 11:12*	*10/26/25 23:05*	*1*
Terphenyl-d14	*68*		*43 - 147*	*10/18/25 11:12*	*10/26/25 23:05*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*10/18/25 11:12*	*10/26/25 23:05*	*1*
2-Fluorobiphenyl	*104*		*15 - 150*	*10/18/25 11:12*	*10/26/25 23:05*	*1*
2-Fluorophenol	*5*	*S1-*	*10 - 150*	*10/18/25 11:12*	*10/26/25 23:05*	*1*
Nitrobenzene-d5	*136*		*50 - 150*	*10/18/25 11:12*	*10/26/25 23:05*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:25	1
Barium, Dissolved	**94**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:25	1
Cobalt, Dissolved	**4.1**	**J**	5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:25	1
Nickel, Dissolved	**190**		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:25	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:25	1
Vanadium, Dissolved	**4.4**	**J**	5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:25	1

Client Sample ID: P88D-WRR-101625

Lab Sample ID: 400-284314-5

Date Collected: 10/16/25 10:50

Matrix: Water

Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 18:03	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 18:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 18:03	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 18:03	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:03	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:03	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/23/25 18:03*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*10/23/25 18:03*	*1*

Client Sample ID: P88D-WRR-101625

Lab Sample ID: 400-284314-5

Date Collected: 10/16/25 10:50
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/23/25 18:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/26/25 23:36	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/26/25 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*85*		*10 - 150*	*10/18/25 11:12*	*10/26/25 23:36*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/18/25 11:12*	*10/26/25 23:36*	*1*
2,4,6-Tribromophenol	*136*		*10 - 150*	*10/18/25 11:12*	*10/26/25 23:36*	*1*
2-Fluorobiphenyl	*102*		*15 - 150*	*10/18/25 11:12*	*10/26/25 23:36*	*1*
2-Fluorophenol	*93*		*10 - 150*	*10/18/25 11:12*	*10/26/25 23:36*	*1*
Nitrobenzene-d5	*137*		*50 - 150*	*10/18/25 11:12*	*10/26/25 23:36*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:29	1
Barium, Dissolved	**510**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:29	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:29	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:29	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:29	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:29	1

Client Sample ID: P86D-WRR-101625

Lab Sample ID: 400-284314-6

Date Collected: 10/16/25 12:05
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 18:23	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 18:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 18:23	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 18:23	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:23	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:23	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/23/25 18:23*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*10/23/25 18:23*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/23/25 18:23*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:12	10/27/25 00:08	1
Phenol	ND		10	0.69	ug/L		10/18/25 11:12	10/27/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*69*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:08*	*1*
Terphenyl-d14	*70*		*43 - 147*	*10/18/25 11:12*	*10/27/25 00:08*	*1*

Client Sample ID: P86D-WRR-101625
Lab Sample ID: 400-284314-6
Date Collected: 10/16/25 12:05
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*137*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:08*	*1*
2-Fluorobiphenyl	*104*		*15 - 150*	*10/18/25 11:12*	*10/27/25 00:08*	*1*
2-Fluorophenol	*84*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:08*	*1*
Nitrobenzene-d5	*139*		*50 - 150*	*10/18/25 11:12*	*10/27/25 00:08*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:34	1
Barium, Dissolved	**86**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:34	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:34	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:34	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:34	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:34	1

Client Sample ID: P86C-WRR-101625
Lab Sample ID: 400-284314-7
Date Collected: 10/16/25 12:20
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 18:44	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 18:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 18:44	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 18:44	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 18:44	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/23/25 18:44*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*10/23/25 18:44*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/23/25 18:44*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/27/25 00:40	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/27/25 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*77*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:40*	*1*
Terphenyl-d14	*74*		*43 - 147*	*10/18/25 11:12*	*10/27/25 00:40*	*1*
2,4,6-Tribromophenol	*134*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:40*	*1*
2-Fluorobiphenyl	*102*		*15 - 150*	*10/18/25 11:12*	*10/27/25 00:40*	*1*
2-Fluorophenol	*87*		*10 - 150*	*10/18/25 11:12*	*10/27/25 00:40*	*1*
Nitrobenzene-d5	*135*		*50 - 150*	*10/18/25 11:12*	*10/27/25 00:40*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:38	1
Barium, Dissolved	**29**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:38	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:38	1

Client Sample ID: P86C-WRR-101625
Lab Sample ID: 400-284314-7
Date Collected: 10/16/25 12:20
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:38	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:38	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:38	1

Client Sample ID: P86B-WRR-101625
Lab Sample ID: 400-284314-8
Date Collected: 10/16/25 12:35
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 19:04	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 19:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 19:04	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 19:04	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:04	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:04	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/23/25 19:04*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/23/25 19:04*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/23/25 19:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/27/25 01:12	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/27/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*67*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:12*	*1*
Terphenyl-d14	*80*		*43 - 147*	*10/18/25 11:12*	*10/27/25 01:12*	*1*
2,4,6-Tribromophenol	*130*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:12*	*1*
2-Fluorobiphenyl	*101*		*15 - 150*	*10/18/25 11:12*	*10/27/25 01:12*	*1*
2-Fluorophenol	*78*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:12*	*1*
Nitrobenzene-d5	*137*		*50 - 150*	*10/18/25 11:12*	*10/27/25 01:12*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:43	1
Barium, Dissolved	**10**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:43	1
Cobalt, Dissolved	**1.4**	**J**	5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:43	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:43	1
Lead, Dissolved	**2.8**	**J**	5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:43	1
Vanadium, Dissolved	**4.2**	**J**	5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:43	1

Client Sample ID: P86A-WRR-101625
Lab Sample ID: 400-284314-9
Date Collected: 10/16/25 12:50
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 19:25	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 19:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 19:25	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 19:25	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:25	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:25	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/23/25 19:25*	*1*
Dibromofluoromethane	*89*		*79 - 130*		*10/23/25 19:25*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 19:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/18/25 11:12	10/27/25 01:44	1
Phenol	ND		9.9	0.68	ug/L		10/18/25 11:12	10/27/25 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*72*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:44*	*1*
Terphenyl-d14	*78*		*43 - 147*	*10/18/25 11:12*	*10/27/25 01:44*	*1*
2,4,6-Tribromophenol	*128*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:44*	*1*
2-Fluorobiphenyl	*102*		*15 - 150*	*10/18/25 11:12*	*10/27/25 01:44*	*1*
2-Fluorophenol	*83*		*10 - 150*	*10/18/25 11:12*	*10/27/25 01:44*	*1*
Nitrobenzene-d5	*141*		*50 - 150*	*10/18/25 11:12*	*10/27/25 01:44*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:47	1
Barium, Dissolved	**140**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:47	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:47	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:47	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:47	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:47	1

Client Sample ID: P8U-WRR-101625
Lab Sample ID: 400-284314-10
Date Collected: 10/16/25 13:35
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 19:45	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 19:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 19:45	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 19:45	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:45	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 19:45	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*56 - 136*		*10/23/25 19:45*	*1*

Client Sample ID: P8U-WRR-101625

Lab Sample ID: 400-284314-10

Date Collected: 10/16/25 13:35

Matrix: Water

Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*79 - 130*		*10/23/25 19:45*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/23/25 19:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**36**		0.20	0.076	ug/L		10/18/25 11:12	10/27/25 02:16	1
Phenol	ND		9.9	0.67	ug/L		10/18/25 11:12	10/27/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*81*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:16*	*1*
Terphenyl-d14	*68*		*43 - 147*	*10/18/25 11:12*	*10/27/25 02:16*	*1*
2,4,6-Tribromophenol	*131*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:16*	*1*
2-Fluorobiphenyl	*99*		*15 - 150*	*10/18/25 11:12*	*10/27/25 02:16*	*1*
2-Fluorophenol	*85*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:16*	*1*
Nitrobenzene-d5	*137*		*50 - 150*	*10/18/25 11:12*	*10/27/25 02:16*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:52	1
Barium, Dissolved	**95**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:52	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:52	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:52	1
Lead, Dissolved	**2.9**	**J**	5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:52	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:52	1

Client Sample ID: P8U-WRR-101625-DUP

Lab Sample ID: 400-284314-11

Date Collected: 10/16/25 13:35

Matrix: Water

Date Received: 10/17/25 09:29

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 20:06	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 20:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 20:06	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 20:06	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 20:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 20:06	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*120*		*56 - 136*		*10/23/25 20:06*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*10/23/25 20:06*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/23/25 20:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**34**		0.20	0.076	ug/L		10/18/25 11:12	10/27/25 02:48	1
Phenol	ND		9.8	0.67	ug/L		10/18/25 11:12	10/27/25 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*76*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:48*	*1*

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Client Sample ID: P8U-WRR-101625-DUP
Date Collected: 10/16/25 13:35
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284314-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*43 - 147*	*10/18/25 11:12*	*10/27/25 02:48*	*1*
2,4,6-Tribromophenol	*126*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:48*	*1*
2-Fluorobiphenyl	*100*		*15 - 150*	*10/18/25 11:12*	*10/27/25 02:48*	*1*
2-Fluorophenol	*78*		*10 - 150*	*10/18/25 11:12*	*10/27/25 02:48*	*1*
Nitrobenzene-d5	*132*		*50 - 150*	*10/18/25 11:12*	*10/27/25 02:48*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 18:56	1
Barium, Dissolved	**95**		10	1.2	ug/L		10/21/25 08:48	10/22/25 18:56	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 18:56	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 18:56	1
Lead, Dissolved	**2.9**	**J**	5.0	2.7	ug/L		10/21/25 08:48	10/22/25 18:56	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 18:56	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284314-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Client Sample ID: TB-WRR-101625
Date Collected: 10/16/25 00:00
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284314-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 17:01

Client Sample ID: P88C-WRR-101625
Date Collected: 10/16/25 09:00
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284314-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 17:22
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/26/25 22:33
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/26/25 22:33
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 17:49

Client Sample ID: P88B-WRR-101625
Date Collected: 10/16/25 09:40
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284314-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 15:39
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/26/25 18:17
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/26/25 18:17
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 17:54

Client Sample ID: P88A-WRR-101625
Date Collected: 10/16/25 10:30
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284314-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 17:42
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/26/25 23:05
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/26/25 23:05
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:25

Client Sample ID: P88D-WRR-101625
Lab Sample ID: 400-284314-5
Date Collected: 10/16/25 10:50
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 18:03
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/26/25 23:36
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/26/25 23:36
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:29

Client Sample ID: P86D-WRR-101625
Lab Sample ID: 400-284314-6
Date Collected: 10/16/25 12:05
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 18:23
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 00:08
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 00:08
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:34

Client Sample ID: P86C-WRR-101625
Lab Sample ID: 400-284314-7
Date Collected: 10/16/25 12:20
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 18:44
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 00:40
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 00:40
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:38

Client Sample ID: P86B-WRR-101625
Lab Sample ID: 400-284314-8
Date Collected: 10/16/25 12:35
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 19:04
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 01:12
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 01:12

Lab Chronicle

Client: AECOM
Job ID: 400-284314-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P86B-WRR-101625
Lab Sample ID: 400-284314-8
Date Collected: 10/16/25 12:35
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:43

Client Sample ID: P86A-WRR-101625
Lab Sample ID: 400-284314-9
Date Collected: 10/16/25 12:50
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 19:25
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 01:44
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 01:44
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:47

Client Sample ID: P8U-WRR-101625
Lab Sample ID: 400-284314-10
Date Collected: 10/16/25 13:35
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 19:45
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 02:16
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 02:16
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:52

Client Sample ID: P8U-WRR-101625-DUP
Lab Sample ID: 400-284314-11
Date Collected: 10/16/25 13:35
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	727879	HES	EET PEN	10/23/25 20:06
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728222	JAW	EET PEN	10/27/25 02:48
Total/NA	Prep	3511			727299	RAW	EET PEN	10/18/25 11:12
Total/NA	Analysis	8270E		1	728223	JAW	EET PEN	10/27/25 02:48
Dissolved	Prep	3005A			839160	BDE	EET CHI	10/21/25 08:48 - 10/21/25 14:48 [1]
Dissolved	Analysis	6010D		1	839594	SJ	EET CHI	10/22/25 18:56

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284314-1	TB-WRR-101625	109	93	112
400-284314-2	P88C-WRR-101625	107	90	111
400-284314-3	P88B-WRR-101625	110	92	114
400-284314-3 MS	P88B-WRR-101625	114	94	109
400-284314-3 MSD	P88B-WRR-101625	119	95	111
400-284314-4	P88A-WRR-101625	104	93	109
400-284314-5	P88D-WRR-101625	103	96	109
400-284314-6	P86D-WRR-101625	105	95	111
400-284314-7	P86C-WRR-101625	104	91	111
400-284314-8	P86B-WRR-101625	106	93	111
400-284314-9	P86A-WRR-101625	105	89	112
400-284314-10	P8U-WRR-101625	115	93	110
400-284314-11	P8U-WRR-101625-DUP	120	94	109
LCS 400-727879/1002	Lab Control Sample	114	92	112
MB 400-727879/5	Method Blank	111	93	112

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284314-2	P88C-WRR-101625	66	75	107	134	79	140
400-284314-3	P88B-WRR-101625	72	73	103	137	83	142
400-284314-3 MS	P88B-WRR-101625	93	60	99	139	90	137
400-284314-3 MSD	P88B-WRR-101625	92	60	100	139	93	142
400-284314-4	P88A-WRR-101625	1 S1-	68	104	104	5 S1-	136
400-284314-5	P88D-WRR-101625	85	71	102	136	93	137
400-284314-6	P86D-WRR-101625	69	70	104	137	84	139
400-284314-7	P86C-WRR-101625	77	74	102	134	87	135
400-284314-8	P86B-WRR-101625	67	80	101	130	78	137
400-284314-9	P86A-WRR-101625	72	78	102	128	83	141
400-284314-10	P8U-WRR-101625	81	68	99	131	85	137
400-284314-11	P8U-WRR-101625-DUP	76	67	100	126	78	132
LCS 400-727299/2-A	Lab Control Sample	83	101	98	139	87	142
MB 400-727299/1-A	Method Blank	75	105	104	145	83	147

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 727879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-1	TB-WRR-101625	Total/NA	Water	8260D	
400-284314-2	P88C-WRR-101625	Total/NA	Water	8260D	
400-284314-3	P88B-WRR-101625	Total/NA	Water	8260D	
400-284314-4	P88A-WRR-101625	Total/NA	Water	8260D	
400-284314-5	P88D-WRR-101625	Total/NA	Water	8260D	
400-284314-6	P86D-WRR-101625	Total/NA	Water	8260D	
400-284314-7	P86C-WRR-101625	Total/NA	Water	8260D	
400-284314-8	P86B-WRR-101625	Total/NA	Water	8260D	
400-284314-9	P86A-WRR-101625	Total/NA	Water	8260D	
400-284314-10	P8U-WRR-101625	Total/NA	Water	8260D	
400-284314-11	P8U-WRR-101625-DUP	Total/NA	Water	8260D	
MB 400-727879/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727879/1002	Lab Control Sample	Total/NA	Water	8260D	
400-284314-3 MS	P88B-WRR-101625	Total/NA	Water	8260D	
400-284314-3 MSD	P88B-WRR-101625	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-2	P88C-WRR-101625	Total/NA	Water	3511	
400-284314-3	P88B-WRR-101625	Total/NA	Water	3511	
400-284314-4	P88A-WRR-101625	Total/NA	Water	3511	
400-284314-5	P88D-WRR-101625	Total/NA	Water	3511	
400-284314-6	P86D-WRR-101625	Total/NA	Water	3511	
400-284314-7	P86C-WRR-101625	Total/NA	Water	3511	
400-284314-8	P86B-WRR-101625	Total/NA	Water	3511	
400-284314-9	P86A-WRR-101625	Total/NA	Water	3511	
400-284314-10	P8U-WRR-101625	Total/NA	Water	3511	
400-284314-11	P8U-WRR-101625-DUP	Total/NA	Water	3511	
MB 400-727299/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727299/2-A	Lab Control Sample	Total/NA	Water	3511	
400-284314-3 MS	P88B-WRR-101625	Total/NA	Water	3511	
400-284314-3 MSD	P88B-WRR-101625	Total/NA	Water	3511	

Analysis Batch: 728222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-2	P88C-WRR-101625	Total/NA	Water	8270E	727299
400-284314-3	P88B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-4	P88A-WRR-101625	Total/NA	Water	8270E	727299
400-284314-5	P88D-WRR-101625	Total/NA	Water	8270E	727299
400-284314-6	P86D-WRR-101625	Total/NA	Water	8270E	727299
400-284314-7	P86C-WRR-101625	Total/NA	Water	8270E	727299
400-284314-8	P86B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-9	P86A-WRR-101625	Total/NA	Water	8270E	727299
400-284314-10	P8U-WRR-101625	Total/NA	Water	8270E	727299
400-284314-11	P8U-WRR-101625-DUP	Total/NA	Water	8270E	727299
MB 400-727299/1-A	Method Blank	Total/NA	Water	8270E	727299
LCS 400-727299/2-A	Lab Control Sample	Total/NA	Water	8270E	727299
400-284314-3 MS	P88B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-3 MSD	P88B-WRR-101625	Total/NA	Water	8270E	727299

GC/MS Semi VOA

Analysis Batch: 728223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-2	P88C-WRR-101625	Total/NA	Water	8270E	727299
400-284314-3	P88B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-4	P88A-WRR-101625	Total/NA	Water	8270E	727299
400-284314-5	P88D-WRR-101625	Total/NA	Water	8270E	727299
400-284314-6	P86D-WRR-101625	Total/NA	Water	8270E	727299
400-284314-7	P86C-WRR-101625	Total/NA	Water	8270E	727299
400-284314-8	P86B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-9	P86A-WRR-101625	Total/NA	Water	8270E	727299
400-284314-10	P8U-WRR-101625	Total/NA	Water	8270E	727299
400-284314-11	P8U-WRR-101625-DUP	Total/NA	Water	8270E	727299
MB 400-727299/1-A	Method Blank	Total/NA	Water	8270E	727299
LCS 400-727299/2-A	Lab Control Sample	Total/NA	Water	8270E	727299
400-284314-3 MS	P88B-WRR-101625	Total/NA	Water	8270E	727299
400-284314-3 MSD	P88B-WRR-101625	Total/NA	Water	8270E	727299

Metals

Prep Batch: 839160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-2	P88C-WRR-101625	Dissolved	Water	3005A	
400-284314-3	P88B-WRR-101625	Dissolved	Water	3005A	
400-284314-4	P88A-WRR-101625	Dissolved	Water	3005A	
400-284314-5	P88D-WRR-101625	Dissolved	Water	3005A	
400-284314-6	P86D-WRR-101625	Dissolved	Water	3005A	
400-284314-7	P86C-WRR-101625	Dissolved	Water	3005A	
400-284314-8	P86B-WRR-101625	Dissolved	Water	3005A	
400-284314-9	P86A-WRR-101625	Dissolved	Water	3005A	
400-284314-10	P8U-WRR-101625	Dissolved	Water	3005A	
400-284314-11	P8U-WRR-101625-DUP	Dissolved	Water	3005A	
MB 500-839160/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-839160/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284314-3 MS	P88B-WRR-101625	Dissolved	Water	3005A	
400-284314-3 MSD	P88B-WRR-101625	Dissolved	Water	3005A	
400-284314-3 DU	P88B-WRR-101625	Dissolved	Water	3005A	

Analysis Batch: 839594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-2	P88C-WRR-101625	Dissolved	Water	6010D	839160
400-284314-3	P88B-WRR-101625	Dissolved	Water	6010D	839160
400-284314-4	P88A-WRR-101625	Dissolved	Water	6010D	839160
400-284314-5	P88D-WRR-101625	Dissolved	Water	6010D	839160
400-284314-6	P86D-WRR-101625	Dissolved	Water	6010D	839160
400-284314-7	P86C-WRR-101625	Dissolved	Water	6010D	839160
400-284314-8	P86B-WRR-101625	Dissolved	Water	6010D	839160
400-284314-9	P86A-WRR-101625	Dissolved	Water	6010D	839160
400-284314-10	P8U-WRR-101625	Dissolved	Water	6010D	839160
400-284314-11	P8U-WRR-101625-DUP	Dissolved	Water	6010D	839160
MB 500-839160/1-A	Method Blank	Total Recoverable	Water	6010D	839160
LCS 500-839160/2-A	Lab Control Sample	Total Recoverable	Water	6010D	839160
400-284314-3 MS	P88B-WRR-101625	Dissolved	Water	6010D	839160
400-284314-3 MSD	P88B-WRR-101625	Dissolved	Water	6010D	839160

Metals (Continued)

Analysis Batch: 839594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284314-3 DU	P88B-WRR-101625	Dissolved	Water	6010D	839160

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-727879/5
Matrix: Water
Analysis Batch: 727879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/23/25 15:18	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 15:18	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 15:18	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 15:18	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 15:18	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 15:18	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 15:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*56 - 136*		*10/23/25 15:18*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/23/25 15:18*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/23/25 15:18*	*1*

Lab Sample ID: LCS 400-727879/1002
Matrix: Water
Analysis Batch: 727879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	44.8		ug/L		90	70 - 130
Toluene	50.0	49.9		ug/L		100	70 - 130
Ethylbenzene	50.0	54.3		ug/L		109	70 - 130
Xylenes, Total	100	106		ug/L		106	70 - 130
o-Xylene	50.0	52.9		ug/L		106	70 - 130
m-Xylene & p-Xylene	50.0	53.6		ug/L		107	70 - 130
Naphthalene	50.0	43.6		ug/L		87	47 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*112*		*64 - 132*

Lab Sample ID: 400-284314-3 MS
Matrix: Water
Analysis Batch: 727879

Client Sample ID: P88B-WRR-101625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		50.0	46.5		ug/L		93	56 - 142
Toluene	ND		50.0	48.1		ug/L		96	65 - 130
Ethylbenzene	ND		50.0	51.1		ug/L		102	58 - 131
Xylenes, Total	ND		100	102		ug/L		102	59 - 130
o-Xylene	ND		50.0	51.1		ug/L		102	61 - 130
m-Xylene & p-Xylene	ND		50.0	51.3		ug/L		103	57 - 130
Naphthalene	ND		50.0	43.1		ug/L		86	25 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284314-3 MS
Matrix: Water
Analysis Batch: 727879

Client Sample ID: P88B-WRR-101625
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*109*		*64 - 132*

Lab Sample ID: 400-284314-3 MSD
Matrix: Water
Analysis Batch: 727879

Client Sample ID: P88B-WRR-101625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	45.7		ug/L		91	56 - 142	2	30
Toluene	ND		50.0	46.6		ug/L		93	65 - 130	3	30
Ethylbenzene	ND		50.0	48.1		ug/L		96	58 - 131	6	30
Xylenes, Total	ND		100	95.2		ug/L		95	59 - 130	7	30
o-Xylene	ND		50.0	47.3		ug/L		95	61 - 130	8	30
m-Xylene & p-Xylene	ND		50.0	47.9		ug/L		96	57 - 130	7	30
Naphthalene	ND		50.0	45.0		ug/L		90	25 - 150	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*119*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*111*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727299/1-A
Matrix: Water
Analysis Batch: 728222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:12	10/26/25 16:08	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:12	10/26/25 16:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*75*		*10 - 150*	*10/18/25 11:12*	*10/26/25 16:08*	*1*
Terphenyl-d14	*105*		*43 - 147*	*10/18/25 11:12*	*10/26/25 16:08*	*1*
2,4,6-Tribromophenol	*145*		*10 - 150*	*10/18/25 11:12*	*10/26/25 16:08*	*1*
2-Fluorobiphenyl	*104*		*15 - 150*	*10/18/25 11:12*	*10/26/25 16:08*	*1*
2-Fluorophenol	*83*		*10 - 150*	*10/18/25 11:12*	*10/26/25 16:08*	*1*
Nitrobenzene-d5	*147*		*50 - 150*	*10/18/25 11:12*	*10/26/25 16:08*	*1*

Lab Sample ID: LCS 400-727299/2-A
Matrix: Water
Analysis Batch: 728222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727299

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	30.8		ug/L		92	24 - 150		
Phenol			33.3	27.4		ug/L		82	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*83*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727299/2-A
Matrix: Water
Analysis Batch: 728222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727299

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	*101*		*43 - 147*
2,4,6-Tribromophenol	*139*		*10 - 150*
2-Fluorobiphenyl	*98*		*15 - 150*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*142*		*50 - 150*

Lab Sample ID: 400-284314-3 MS
Matrix: Water
Analysis Batch: 728222

Client Sample ID: P88B-WRR-101625
Prep Type: Total/NA
Prep Batch: 727299

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	ND		33.2	29.8		ug/L		90	50 - 150
Phenol	ND		33.2	28.8		ug/L		87	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5	*93*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*139*		*10 - 150*
2-Fluorobiphenyl	*99*		*15 - 150*
2-Fluorophenol	*90*		*10 - 150*
Nitrobenzene-d5	*137*		*50 - 150*

Lab Sample ID: 400-284314-3 MSD
Matrix: Water
Analysis Batch: 728222

Client Sample ID: P88B-WRR-101625
Prep Type: Total/NA
Prep Batch: 727299

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		33.4	31.0		ug/L		93	50 - 150	4	40
Phenol	ND		33.4	28.2		ug/L		84	50 - 150	2	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5	*92*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*139*		*10 - 150*
2-Fluorobiphenyl	*100*		*15 - 150*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*142*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-839160/1-A
Matrix: Water
Analysis Batch: 839594

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/21/25 08:48	10/22/25 17:41	1
Barium, Dissolved	ND		10	1.2	ug/L		10/21/25 08:48	10/22/25 17:41	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/21/25 08:48	10/22/25 17:41	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 500-839160/1-A
Matrix: Water
Analysis Batch: 839594

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	ND		10	4.8	ug/L		10/21/25 08:48	10/22/25 17:41	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/21/25 08:48	10/22/25 17:41	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/21/25 08:48	10/22/25 17:41	1

Lab Sample ID: LCS 500-839160/2-A
Matrix: Water
Analysis Batch: 839594

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 839160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	98.5		ug/L		98	80 - 120
Barium, Dissolved	500	499		ug/L		100	80 - 120
Cobalt, Dissolved	500	504		ug/L		101	80 - 120
Nickel, Dissolved	500	539		ug/L		108	80 - 120
Lead, Dissolved	100	106		ug/L		106	80 - 120
Vanadium, Dissolved	500	505		ug/L		101	80 - 120

Lab Sample ID: 400-284314-3 MS
Matrix: Water
Analysis Batch: 839594

Client Sample ID: P88B-WRR-101625
Prep Type: Dissolved
Prep Batch: 839160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	98.2		ug/L		98	75 - 125
Barium, Dissolved	280		500	780		ug/L		100	75 - 125
Cobalt, Dissolved	ND		500	509		ug/L		102	75 - 125
Nickel, Dissolved	ND		500	517		ug/L		103	75 - 125
Lead, Dissolved	ND		100	108		ug/L		108	75 - 125
Vanadium, Dissolved	ND		500	508		ug/L		102	75 - 125

Lab Sample ID: 400-284314-3 MSD
Matrix: Water
Analysis Batch: 839594

Client Sample ID: P88B-WRR-101625
Prep Type: Dissolved
Prep Batch: 839160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	98.1		ug/L		98	75 - 125	0	20
Barium, Dissolved	280		500	774		ug/L		98	75 - 125	1	20
Cobalt, Dissolved	ND		500	511		ug/L		102	75 - 125	0	20
Nickel, Dissolved	ND		500	521		ug/L		104	75 - 125	1	20
Lead, Dissolved	ND		100	109		ug/L		109	75 - 125	0	20
Vanadium, Dissolved	ND		500	502		ug/L		100	75 - 125	1	20

Lab Sample ID: 400-284314-3 DU
Matrix: Water
Analysis Batch: 839594

Client Sample ID: P88B-WRR-101625
Prep Type: Dissolved
Prep Batch: 839160

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic, Dissolved	ND		ND		ug/L		NC	20
Barium, Dissolved	280		283		ug/L		0.09	20
Cobalt, Dissolved	ND		ND		ug/L		NC	20
Nickel, Dissolved	ND		ND		ug/L		NC	20
Lead, Dissolved	ND		3.54	J	ug/L		NC	20

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284314-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284314-3 DU
Matrix: Water
Analysis Batch: 839594

Client Sample ID: P88B-WRR-101625
Prep Type: Dissolved
Prep Batch: 839160

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/16/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal, Tony Jones

TELEPHONE: 314-429-0100 — FAX: 314-429-0462 — Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

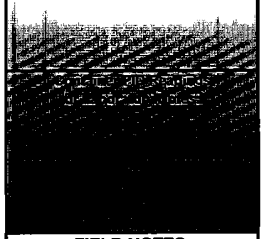
Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

- * Dissolved metals are field filtered.
- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuIS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°



FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-101625	10/16/2025	0000	Water	2					2	X			
	P88C-WRR-101625	10/16/2025	0900	Water	3	1		4		8	X	X	X	X
	P88B-WRR-101625	10/16/2025	0940	Water	3	1		4		8	X	X	X	X
	P88B-WRR-101625-MS	10/16/2025	0940	Water	3	1		4		8	X	X	X	X
	P88B-WRR-101625-MSD	10/16/2025	0940	Water	3	1		4		8	X	X	X	X
	P88A-WRR-101625	10/16/2025	1030	Water	3	1		4		8	X	X	X	X
	P88D-WRR-101625	10/16/2025	1050	Water	3	1		4		8	X	X	X	X
	P86D-WRR-101625	10/16/2025	1205	Water	3	1		4		8	X	X	X	X
	P86C-WRR-101625	10/16/2025	1220	Water	3	1		4		8	X	X	X	X
	P86B-WRR-101625	10/16/2025	1235	Water	3	1		4		8	X	X	X	X
	P86A-WRR-101625	10/16/2025	1250	Water	3	1		4		8	X	X	X	X

400-284314 Chain of Custody

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 4234 9608 5524/ 4234 9608 5513	Date: 10/16/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) (Eurofins)	Date: 10/17/25	Time: 929
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698047 2698046/ 2698080 2698081

0.0°C/IR11 1.2°C/IR11

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
- ☐ SGW FDG
- ☐ PIPELINE
- ☐ RETAIL
- ☐ CHEMICALS
- ☐ CONSULTANT
- ☐ LUBES
- ☐ TRANSPORTATION
- ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/16/2025
PO #	**GSAP Project ID**	PAGE. 2 of 2
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal, Tony Jones

TELEPHONE:	FAX	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com; brett.howell@aecom.com

* Dissolved metals are field filtered.
* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)	FIELD NOTES:
	P8U-WRR-101625	10/16/2025	1335	Water	3	1		4		8	X	X	X	X	
	P8U-WRR-101625-DUP	10/16/2025	1335	Water	3	1		4		8	X	X	X	X	

TB 10/16/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 4234 9608 5524/ 4234 9608 5513	10/16/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/17/25	Time: 929
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS 2698047, 2698046/ 2698080, 2698081

0.0°C/IR11 1.0°C/IR11

10/30/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No: 400-387602 1
Client Contact: Shipping/Receiving	Phone: N/A	E Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 400 284314 1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/28/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708 534 5200(Tel) 708 534 5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: REFINERY 2H Semiannual	Project #: 40002213			
Site: N/A	SSOW#: N/A			

400-284314 COC

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P88C WRR 101625 (400-284314-2)	10/16/25	09 00 Central	G	Water			X	1	
P88B WRR 101625 (400 284314-3)	10/16/25	09.40 Central	G	Water			X	1	
P88B-WRR 101625 (400 284314 3MS)	10/16/25	09.40 Central	G	Water			X	1	
P88B WRR 101625 (400-284314 3MSD)	10/16/25	09.40 Central	G	Water			X	1	
P88A WRR 101625 (400-284314-4)	10/16/25	10:30 Central	G	Water			X	1	
P88D WRR-101625 (400 284314-5)	10/16/25	10 50 Central	G	Water			X	1	
P86D WRR-101625 (400-284314 6)	10/16/25	12.05 Central	G	Water			X	1	
P86C-WRR-101625 (400-284314 7)	10/16/25	12 20 Central	G	Water			X	1	
P86B-WRR 101625 (400-284314-8)	10/16/25	12.35 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/17/25	ET		10/18/25 1000	ETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: Unchilled

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850 478 2671

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400 387602 2
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 2 of 2
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400 284314 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/28/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534 5200(Tel) 708-534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

Analysis Requested

Preservation Codes:

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chi)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P86A WRR 101625 (400 284314-9)	10/16/25	12 50 Central	G	Water			X	1	
P8U-WRR-101625 (400-284314-10)	10/16/25	13.35 Central	G	Water			X	1	
P8U-WRR 101625 DUP (400-284314 11)	10/16/25	13:35 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/17/25 1720	EET		10/18/25 1000	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284314-1

Login Number: 284314
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C, 1.2°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284314-1

Login Number: 284314
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/18/25 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284314-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284369-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/09/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.		X		

Method 8270E

Phenol in sample T12-WRR-101725 was re-extracted 3 days outside of extraction time criteria (7 days) and then re-analyzed due to surrogate exceedances in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement phenol in sample T12-WRR-101725 was reported from the primary run.

Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
T12-WRR-101725	SVOCs	2-Fluorophenol	196	10-150
T12-WRR-101725	SVOCs	Phenol-d5	179	10-150
T12-WRR-101725	SVOCs	2,4,6-Tribromophenol	202	10-150

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
T12-ROX-101725	SVOCs	Phenol	J

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			The MS/MSD was performed using sample P56-WRR-101725-EB.
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	Organics The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/3/2025 10:57:14 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284369-1

Reviewed By: SS 12/09/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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11/3/2025 10:57:14 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284369-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/18/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.6°C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: T12-WRR-101725 (400-284369-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted due to the abundance of non-target analytes: P56-WRR-101725 (400-284369-3) and P59-WRR-101725 (400-284369-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727411.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727411.

Method 8270E_QQQ: Surrogate recovery for the following sample was outside control limits: T12-WRR-101725 (400-284369-5). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284369-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284369-1	TB-WRR-101725-SS	Water	10/17/25 00:00	10/18/25 09:42	Illinois
400-284369-2	P56-WRR-101725-EB	Water	10/17/25 08:35	10/18/25 09:42	Illinois
400-284369-3	P56-WRR-101725	Water	10/17/25 10:15	10/18/25 09:42	Illinois
400-284369-4	P59-WRR-101725	Water	10/17/25 11:35	10/18/25 09:42	Illinois
400-284369-5	T12-WRR-101725	Water	10/17/25 13:00	10/18/25 09:42	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284369-1

Client Sample ID: TB-WRR-101725-SS — Lab Sample ID: 400-284369-1

No Detections.

Client Sample ID: P56-WRR-101725-EB — Lab Sample ID: 400-284369-2

No Detections.

Client Sample ID: P56-WRR-101725 — Lab Sample ID: 400-284369-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3	J	2.0	1.0	ug/L	2		8260D	Total/NA
Toluene	2.4		2.0	1.8	ug/L	2		8260D	Total/NA
Ethylbenzene	130		2.0	1.0	ug/L	2		8260D	Total/NA
Xylenes, Total	190		20	12	ug/L	2		8260D	Total/NA
o-Xylene	8.8	J	10	6.0	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	180		10	6.0	ug/L	2		8260D	Total/NA
Naphthalene	15		10	6.0	ug/L	2		8260D	Total/NA
2-Methylnaphthalene	13		0.20	0.078	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	21		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	210		10	1.2	ug/L	1		6010D	Dissolved
Lead, Dissolved	2.9	J	5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.7	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P59-WRR-101725 — Lab Sample ID: 400-284369-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	570		10	5.0	ug/L	10		8260D	Total/NA
Toluene	83		10	9.0	ug/L	10		8260D	Total/NA
Ethylbenzene	190		10	5.0	ug/L	10		8260D	Total/NA
Xylenes, Total	350		100	60	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	350		50	30	ug/L	10		8260D	Total/NA
Naphthalene	36	J	50	30	ug/L	10		8260D	Total/NA
2-Methylnaphthalene	14		0.20	0.077	ug/L	1		8270E	Total/NA
Phenol	6.0	J	10	0.68	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	100		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	740		10	1.2	ug/L	1		6010D	Dissolved
Lead, Dissolved	4.4	J	5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	2.3	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: T12-WRR-101725 — Lab Sample ID: 400-284369-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1400		10	5.0	ug/L	10		8260D	Total/NA
Toluene	31		10	9.0	ug/L	10		8260D	Total/NA
Ethylbenzene	23		10	5.0	ug/L	10		8260D	Total/NA
Xylenes, Total	170		100	60	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	160		50	30	ug/L	10		8260D	Total/NA
2-Methylnaphthalene	32		0.20	0.076	ug/L	1		8270E	Total/NA
Phenol	34		9.9	0.68	ug/L	1		8270E	Total/NA
Phenol	39	H	9.8	0.67	ug/L	1		8270E	Total/NA
Arsenic, Dissolved	54		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	970		10	1.2	ug/L	1		6010D	Dissolved
Lead, Dissolved	9.1		5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.5	J	5.0	0.92	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101725-SS
Lab Sample ID: 400-284369-1
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 16:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 16:49	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:49	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/28/25 16:49*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 16:49*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*10/28/25 16:49*	*1*

Client Sample ID: P56-WRR-101725-EB
Lab Sample ID: 400-284369-2
Date Collected: 10/17/25 08:35
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 18:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 18:52	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 18:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 18:52	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/30/25 18:52*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 18:52*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 18:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/20/25 11:41	10/23/25 16:34	1
Phenol	ND		10	0.69	ug/L		10/20/25 11:41	10/23/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*81*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Terphenyl-d14	*100*		*43 - 147*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2,4,6-Tribromophenol	*84*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2-Fluorobiphenyl	*75*		*15 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2-Fluorophenol	*90*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 18:41	1
Barium, Dissolved	ND		10	1.2	ug/L		10/23/25 08:31	10/23/25 18:41	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 18:41	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 18:41	1

Client Sample ID: P56-WRR-101725-EB
Lab Sample ID: 400-284369-2
Date Collected: 10/17/25 08:35
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 18:41	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 18:41	1

Client Sample ID: P56-WRR-101725
Lab Sample ID: 400-284369-3
Date Collected: 10/17/25 10:15
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**	**J**	2.0	1.0	ug/L			10/30/25 19:17	2
Toluene	**2.4**		2.0	1.8	ug/L			10/30/25 19:17	2
Ethylbenzene	**130**		2.0	1.0	ug/L			10/30/25 19:17	2
Xylenes, Total	**190**		20	12	ug/L			10/30/25 19:17	2
o-Xylene	**8.8**	**J**	10	6.0	ug/L			10/30/25 19:17	2
m-Xylene & p-Xylene	**180**		10	6.0	ug/L			10/30/25 19:17	2
Naphthalene	**15**		10	6.0	ug/L			10/30/25 19:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/30/25 19:17*	*2*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 19:17*	*2*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 19:17*	*2*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**13**		0.20	0.078	ug/L		10/20/25 11:41	10/23/25 17:04	1
Phenol	ND		10	0.69	ug/L		10/20/25 11:41	10/23/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*91*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Terphenyl-d14	*59*		*43 - 147*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2-Fluorophenol	*98*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**21**		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:03	1
Barium, Dissolved	**210**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:03	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:03	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:03	1
Lead, Dissolved	**2.9**	**J**	5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:03	1
Vanadium, Dissolved	**1.7**	**J**	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:03	1

Client Sample ID: P59-WRR-101725
Lab Sample ID: 400-284369-4
Date Collected: 10/17/25 11:35
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**570**		10	5.0	ug/L			10/30/25 19:42	10

Client Sample ID: P59-WRR-101725

Lab Sample ID: 400-284369-4

Date Collected: 10/17/25 11:35

Matrix: Water

Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**83**		10	9.0	ug/L			10/30/25 19:42	10
Ethylbenzene	**190**		10	5.0	ug/L			10/30/25 19:42	10
Xylenes, Total	**350**		100	60	ug/L			10/30/25 19:42	10
o-Xylene	ND		50	30	ug/L			10/30/25 19:42	10
m-Xylene & p-Xylene	**350**		50	30	ug/L			10/30/25 19:42	10
Naphthalene	**36**	**J**	50	30	ug/L			10/30/25 19:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/30/25 19:42*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*10/30/25 19:42*	*10*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 19:42*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**14**		0.20	0.077	ug/L		10/20/25 11:41	10/23/25 17:34	1
Phenol	**6.0**	**J**	10	0.68	ug/L		10/20/25 11:41	10/23/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*91*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Terphenyl-d14	*54*		*43 - 147*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2-Fluorobiphenyl	*74*		*15 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2-Fluorophenol	*98*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**100**		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:07	1
Barium, Dissolved	**740**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:07	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:07	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:07	1
Lead, Dissolved	**4.4**	**J**	5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:07	1
Vanadium, Dissolved	**2.3**	**J**	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:07	1

Client Sample ID: T12-WRR-101725

Lab Sample ID: 400-284369-5

Date Collected: 10/17/25 13:00

Matrix: Water

Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1400**		10	5.0	ug/L			10/30/25 20:07	10
Toluene	**31**		10	9.0	ug/L			10/30/25 20:07	10
Ethylbenzene	**23**		10	5.0	ug/L			10/30/25 20:07	10
Xylenes, Total	**170**		100	60	ug/L			10/30/25 20:07	10
o-Xylene	ND		50	30	ug/L			10/30/25 20:07	10
m-Xylene & p-Xylene	**160**		50	30	ug/L			10/30/25 20:07	10
Naphthalene	ND		50	30	ug/L			10/30/25 20:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*10/30/25 20:07*	*10*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 20:07*	*10*

Client Sample ID: T12-WRR-101725

Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284369-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 20:07*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**32**		0.20	0.076	ug/L		10/20/25 11:41	10/23/25 18:05	1
Phenol	**34**	**J**	9.9	0.68	ug/L		10/20/25 11:41	10/23/25 18:05	1
Phenol	**39**	**H**	9.8	0.67	ug/L		10/27/25 18:13	10/28/25 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*179*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Phenol-d5	*76*		*10 - 150*	*10/27/25 18:13*	*10/28/25 14:42*	*1*
Terphenyl-d14	*94*		*43 - 147*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2,4,6-Tribromophenol	*202*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/27/25 18:13*	*10/28/25 14:42*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2-Fluorophenol	*196*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2-Fluorophenol	*82*		*10 - 150*	*10/27/25 18:13*	*10/28/25 14:42*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**54**		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:21	1
Barium, Dissolved	**970**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:21	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:21	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:21	1
Lead, Dissolved	**9.1**		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:21	1
Vanadium, Dissolved	**1.5**	**J**	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:21	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284369-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284369-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101725-SS
Lab Sample ID: 400-284369-1
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728415	RSG	EET PEN	10/28/25 16:49

Client Sample ID: P56-WRR-101725-EB
Lab Sample ID: 400-284369-2
Date Collected: 10/17/25 08:35
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728746	CAR	EET PEN	10/30/25 18:52
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 16:34
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 16:34
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 18:41

Client Sample ID: P56-WRR-101725
Lab Sample ID: 400-284369-3
Date Collected: 10/17/25 10:15
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	728746	CAR	EET PEN	10/30/25 19:17
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 17:04
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 17:04
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:03

Client Sample ID: P59-WRR-101725
Lab Sample ID: 400-284369-4
Date Collected: 10/17/25 11:35
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	728746	CAR	EET PEN	10/30/25 19:42
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 17:34
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 17:34
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:07

Lab Chronicle

Client: AECOM
Job ID: 400-284369-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: T12-WRR-101725
Lab Sample ID: 400-284369-5

Date Collected: 10/17/25 13:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	728746	CAR	EET PEN	10/30/25 20:07
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727834	JAW	EET PEN	10/23/25 18:05
Total/NA	Prep	3511			727411	AMM	EET PEN	10/20/25 11:41
Total/NA	Analysis	8270E		1	727835	JAW	EET PEN	10/23/25 18:05
Total/NA	Prep	3511			728301	JPH	EET PEN	10/27/25 18:13
Total/NA	Analysis	8270E		1	728433	UI	EET PEN	10/28/25 14:42
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:21

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284369-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284369-1	TB-WRR-101725-SS	105	102	93
400-284369-2	P56-WRR-101725-EB	106	98	95
400-284369-3	P56-WRR-101725	105	98	95
400-284369-4	P59-WRR-101725	106	99	95
400-284369-5	T12-WRR-101725	107	100	95
400-284691-B-1 MS	Matrix Spike	107	99	93
400-284691-B-1 MSD	Matrix Spike Duplicate	107	104	93
400-284749-A-1 MS	Matrix Spike	99	98	89
400-284749-A-1 MSD	Matrix Spike Duplicate	100	99	91
LCS 400-728415/1003	Lab Control Sample	99	101	89
LCS 400-728746/1003	Lab Control Sample	103	104	92
MB 400-728415/5	Method Blank	101	102	95
MB 400-728746/5	Method Blank	113	100	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284369-2	P56-WRR-101725-EB	81	100	75	84	90	80
400-284369-3	P56-WRR-101725	91	59	77	100	98	86
400-284369-4	P59-WRR-101725	91	54	74	89	98	88
400-284369-5	T12-WRR-101725	179 S1+	94	78	202 S1+	196 S1+	86
400-284369-5	T12-WRR-101725	76			88	82	
400-284681-A-1-A MS	Matrix Spike	78			96	85	
400-284681-A-1-B MSD	Matrix Spike Duplicate	80			90	86	
LCS 400-727411/2-A	Lab Control Sample	101	84	73	91	102	79
LCS 400-728301/2-A	Lab Control Sample	87			94	89	
LCSD 400-727411/3-A	Lab Control Sample Dup	90	66	55	93	93	59
MB 400-727411/1-A	Method Blank	95	96	80	90	106	92
MB 400-728301/1-A	Method Blank	76			83	87	

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 728415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-1	TB-WRR-101725-SS	Total/NA	Water	8260D	
MB 400-728415/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728415/1003	Lab Control Sample	Total/NA	Water	8260D	
400-284749-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-284749-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 728746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Total/NA	Water	8260D	
400-284369-3	P56-WRR-101725	Total/NA	Water	8260D	
400-284369-4	P59-WRR-101725	Total/NA	Water	8260D	
400-284369-5	T12-WRR-101725	Total/NA	Water	8260D	
MB 400-728746/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728746/1003	Lab Control Sample	Total/NA	Water	8260D	
400-284691-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-284691-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Total/NA	Water	3511	
400-284369-3	P56-WRR-101725	Total/NA	Water	3511	
400-284369-4	P59-WRR-101725	Total/NA	Water	3511	
400-284369-5	T12-WRR-101725	Total/NA	Water	3511	
MB 400-727411/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727411/1-A	Method Blank	Total/NA	Water	8270E	727411
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	8270E	727411
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727411

Analysis Batch: 727527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727411/1-A	Method Blank	Total/NA	Water	8270E	727411
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	8270E	727411
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727411

Analysis Batch: 727834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Total/NA	Water	8270E	727411
400-284369-3	P56-WRR-101725	Total/NA	Water	8270E	727411
400-284369-4	P59-WRR-101725	Total/NA	Water	8270E	727411
400-284369-5	T12-WRR-101725	Total/NA	Water	8270E	727411

Analysis Batch: 727835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Total/NA	Water	8270E	727411

GC/MS Semi VOA (Continued)

Analysis Batch: 727835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-3	P56-WRR-101725	Total/NA	Water	8270E	727411
400-284369-4	P59-WRR-101725	Total/NA	Water	8270E	727411
400-284369-5	T12-WRR-101725	Total/NA	Water	8270E	727411

Prep Batch: 728301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-5	T12-WRR-101725	Total/NA	Water	3511	
MB 400-728301/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	3511	
400-284681-A-1-A MS	Matrix Spike	Total/NA	Water	3511	
400-284681-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-5	T12-WRR-101725	Total/NA	Water	8270E	728301
MB 400-728301/1-A	Method Blank	Total/NA	Water	8270E	728301
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	8270E	728301
400-284681-A-1-A MS	Matrix Spike	Total/NA	Water	8270E	728301
400-284681-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	728301

Metals

Prep Batch: 839610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Dissolved	Water	3005A	
400-284369-3	P56-WRR-101725	Dissolved	Water	3005A	
400-284369-4	P59-WRR-101725	Dissolved	Water	3005A	
400-284369-5	T12-WRR-101725	Dissolved	Water	3005A	
MB 500-839610/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-839610/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284369-2 MS	P56-WRR-101725-EB	Dissolved	Water	3005A	
400-284369-2 MSD	P56-WRR-101725-EB	Dissolved	Water	3005A	
400-284369-2 DU	P56-WRR-101725-EB	Dissolved	Water	3005A	

Analysis Batch: 839812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284369-2	P56-WRR-101725-EB	Dissolved	Water	6010D	839610
400-284369-3	P56-WRR-101725	Dissolved	Water	6010D	839610
400-284369-4	P59-WRR-101725	Dissolved	Water	6010D	839610
400-284369-5	T12-WRR-101725	Dissolved	Water	6010D	839610
MB 500-839610/1-A	Method Blank	Total Recoverable	Water	6010D	839610
LCS 500-839610/2-A	Lab Control Sample	Total Recoverable	Water	6010D	839610
400-284369-2 MS	P56-WRR-101725-EB	Dissolved	Water	6010D	839610
400-284369-2 MSD	P56-WRR-101725-EB	Dissolved	Water	6010D	839610
400-284369-2 DU	P56-WRR-101725-EB	Dissolved	Water	6010D	839610

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 10:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/28/25 10:14*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 10:14*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 10:14*	*1*

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	55.6		ug/L		111	70 - 130
Toluene	50.0	46.7		ug/L		93	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Xylenes, Total	100	98.1		ug/L		98	70 - 130
o-Xylene	50.0	49.4		ug/L		99	70 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: 400-284749-A-1 MS
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		50.0	70.7		ug/L		141	56 - 142
Toluene	ND		50.0	57.3		ug/L		115	65 - 130
Ethylbenzene	ND		50.0	59.6		ug/L		119	58 - 131
Xylenes, Total	ND		100	116		ug/L		116	59 - 130
o-Xylene	ND		50.0	58.0		ug/L		116	61 - 130
m-Xylene & p-Xylene	ND		50.0	57.6		ug/L		115	57 - 130
Naphthalene	ND		50.0	49.5		ug/L		99	25 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284749-A-1 MS
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: 400-284749-A-1 MSD
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	58.1		ug/L		116	56 - 142	20	30
Toluene	ND		50.0	46.7		ug/L		93	65 - 130	20	30
Ethylbenzene	ND		50.0	46.1		ug/L		92	58 - 131	26	30
Xylenes, Total	ND		100	88.7		ug/L		89	59 - 130	26	30
o-Xylene	ND		50.0	45.1		ug/L		90	61 - 130	25	30
m-Xylene & p-Xylene	ND		50.0	43.6		ug/L		87	57 - 130	28	30
Naphthalene	ND		50.0	45.7		ug/L		91	25 - 150	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*91*		*64 - 132*

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 12:20	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/30/25 12:20*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 12:20*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*10/30/25 12:20*	*1*

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	57.6		ug/L		115	70 - 130		
Toluene			50.0	48.5		ug/L		97	70 - 130		
Ethylbenzene			50.0	54.0		ug/L		108	70 - 130		
Xylenes, Total			100	107		ug/L		107	70 - 130		
o-Xylene			50.0	52.8		ug/L		106	70 - 130		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	54.2		ug/L		108	70 - 130		
Naphthalene			50.0	53.0		ug/L		106	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-284691-B-1 MS
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	53.6		ug/L		107	56 - 142		
Toluene	ND		50.0	47.0		ug/L		94	65 - 130		
Ethylbenzene	ND		50.0	51.0		ug/L		102	58 - 131		
Xylenes, Total	ND		100	101		ug/L		101	59 - 130		
o-Xylene	ND		50.0	50.1		ug/L		100	61 - 130		
m-Xylene & p-Xylene	ND		50.0	50.6		ug/L		101	57 - 130		
Naphthalene	ND		50.0	47.1		ug/L		94	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: 400-284691-B-1 MSD
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	62.7		ug/L		125	56 - 142	16	30
Toluene	ND		50.0	53.5		ug/L		107	65 - 130	13	30
Ethylbenzene	ND		50.0	57.9		ug/L		116	58 - 131	13	30
Xylenes, Total	ND		100	115		ug/L		115	59 - 130	13	30
o-Xylene	ND		50.0	57.1		ug/L		114	61 - 130	13	30
m-Xylene & p-Xylene	ND		50.0	57.9		ug/L		116	57 - 130	13	30
Naphthalene	ND		50.0	55.4		ug/L		111	25 - 150	16	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727411/1-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/20/25 11:32	10/21/25 18:41	1
Phenol	ND		10	0.68	ug/L		10/20/25 11:32	10/21/25 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*95*		*10 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
Terphenyl-d14	*96*		*43 - 147*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
2-Fluorophenol	*106*		*10 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*

Lab Sample ID: LCS 400-727411/2-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	30.1		ug/L		90	24 - 150		
Phenol			33.3	46.9		ug/L		141	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*101*		*10 - 150*
Terphenyl-d14	*84*		*43 - 147*
2,4,6-Tribromophenol	*91*		*10 - 150*
2-Fluorobiphenyl	*73*		*15 - 150*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*79*		*50 - 150*

Lab Sample ID: LCSD 400-727411/3-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene			33.3	28.9		ug/L		87	24 - 150	4	40
Phenol			33.3	38.2		ug/L		115	10 - 150	20	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*66*		*43 - 147*
2,4,6-Tribromophenol	*93*		*10 - 150*
2-Fluorobiphenyl	*55*		*15 - 150*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*59*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	0.68	ug/L		10/27/25 10:39	10/28/25 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*76*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2,4,6-Tribromophenol	*83*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2-Fluorophenol	*87*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*

Lab Sample ID: LCS 400-728301/2-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol			33.3	30.2		ug/L		91	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*87*		*10 - 150*
2,4,6-Tribromophenol	*94*		*10 - 150*
2-Fluorophenol	*89*		*10 - 150*

Lab Sample ID: 400-284681-A-1-A MS
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 728301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol	ND		32.4	28.1		ug/L		87	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*78*		*10 - 150*
2,4,6-Tribromophenol	*96*		*10 - 150*
2-Fluorophenol	*85*		*10 - 150*

Lab Sample ID: 400-284681-A-1-B MSD
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 728301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	ND		32.3	29.9		ug/L		93	50 - 150	6	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*80*		*10 - 150*
2,4,6-Tribromophenol	*90*		*10 - 150*
2-Fluorophenol	*86*		*10 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-839610/1-A
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 18:32	1
Barium, Dissolved	ND		10	1.2	ug/L		10/23/25 08:31	10/23/25 18:32	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 18:32	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 18:32	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 18:32	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 18:32	1

Lab Sample ID: LCS 500-839610/2-A
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 839610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	89.4		ug/L		89	80 - 120
Barium, Dissolved	500	476		ug/L		95	80 - 120
Cobalt, Dissolved	500	488		ug/L		98	80 - 120
Nickel, Dissolved	500	491		ug/L		98	80 - 120
Lead, Dissolved	100	102		ug/L		102	80 - 120
Vanadium, Dissolved	500	475		ug/L		95	80 - 120

Lab Sample ID: 400-284369-2 MS
Matrix: Water
Analysis Batch: 839812

Client Sample ID: P56-WRR-101725-EB
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	92.4		ug/L		92	75 - 125
Barium, Dissolved	ND		500	488		ug/L		98	75 - 125
Cobalt, Dissolved	ND		500	501		ug/L		100	75 - 125
Nickel, Dissolved	ND		500	504		ug/L		101	75 - 125
Lead, Dissolved	ND		100	105		ug/L		105	75 - 125
Vanadium, Dissolved	ND		500	490		ug/L		98	75 - 125

Lab Sample ID: 400-284369-2 MSD
Matrix: Water
Analysis Batch: 839812

Client Sample ID: P56-WRR-101725-EB
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	90.4		ug/L		90	75 - 125	2	20
Barium, Dissolved	ND		500	480		ug/L		96	75 - 125	2	20
Cobalt, Dissolved	ND		500	494		ug/L		99	75 - 125	1	20
Nickel, Dissolved	ND		500	525		ug/L		105	75 - 125	4	20
Lead, Dissolved	ND		100	103		ug/L		103	75 - 125	2	20
Vanadium, Dissolved	ND		500	480		ug/L		96	75 - 125	2	20

Lab Sample ID: 400-284369-2 DU
Matrix: Water
Analysis Batch: 839812

Client Sample ID: P56-WRR-101725-EB
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic, Dissolved	ND		ND		ug/L		NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284369-2 DU
Matrix: Water
Analysis Batch: 839812

Client Sample ID: P56-WRR-101725-EB
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Barium, Dissolved	ND			ND		ug/L				NC	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/17/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa Brett Howell

SAMPLER NAME(S) (Print): M Massa, T Jenkins

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

- * Dissolved metals are field filtered.
- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

REQUESTED ANALYSIS
60771235 – 6.1.2

400-284369 Chain of Custody

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)	FIELD NOTES:
	TB-WRR-101725-SS	10/17/2025	0000	Water	2					2	X				SPLIT REPORT
	P56-WRR-101725-EB	10/17/2025	0835	Water	3	1		4		8	X	X	X	X	SPLIT REPORT
	P56-WRR-101725	10/17/2025	1015	Water	3	1		4		8	X	X	X	X	SPLIT REPORT
	P59-WRR-101725	10/17/2025	1135	Water	3	1		4		8	X	X	X	X	SPLIT REPORT
	T12-WRR-101725	10/17/2025	1300	Water	3	1		4		8	X	X	X	X	SPLIT REPORT

10/17/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4744 8092 6587 4744 8092 6576	10/17/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Eurofins	Date: 10/18/25	Time: 942
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698048, 2698049, 2698050, 2698051

0.6°C, 0.0°C/IR 11

11/3/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850-478-2671

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No: 400-387760 1
Client Contact: Shipping/Receiving	Phone: N/A	E Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP Illinois		Job #: 400 284369 1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/29/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708 534 5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: REFINERY 2H Semiannual	Project #: 40002213			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

400-284369 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P56-WRR-101725-EB (400 284369 2)	10/17/25	08:35 Central	G	Water			X	1	
P56 WRR-101725 (400 284369-3)	10/17/25	10 15 Central	G	Water			X	1	
P59-WRR-101725 (400-284369-4)	10/17/25	11:35 Central	G	Water			X	1	
T12 WRR-101725 (400-284369-5)	10/17/25	13:00 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	10/20/25 1200	ECK	Stephanie Hernandez	10/21/25 0920	EEIA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: unchilled

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284369-1

Login Number: 284369
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C, 0.0°C IR-11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284369-1

Login Number: 284369
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 10/21/25 02:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284369-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284373-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/10/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		

Method 8270E (SVOC)

The continuous calibration verification (CCV) for phenol was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P84C-WRR-101725	SVOCs	Phenol	**UJ**
P84B-WRR-101725	SVOCs	Phenol	**UJ**
P84A-WRR-101725	SVOCs	Phenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P84D-WRR-101725	SVOCs	Phenol			**UJ**
P43-WRR-101725	SVOCs	Phenol			**UJ**
P7U-WRR-101725	SVOCs	Phenol			**UJ**
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/28/2025 9:13:19 AM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284373-1

Reviewed By: SS 12/10/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
10/28/2025 9:13:19 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284373-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/18/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.6°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727805 recovered outside acceptance criteria, low biased, for Phenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284373-1	TB-WRR-101725	Water	10/17/25 00:00	10/18/25 09:42	Illinois
400-284373-2	P84C-WRR-101725	Water	10/17/25 09:40	10/18/25 09:42	Illinois
400-284373-3	P84B-WRR-101725	Water	10/17/25 09:50	10/18/25 09:42	Illinois
400-284373-4	P84A-WRR-101725	Water	10/17/25 10:15	10/18/25 09:42	Illinois
400-284373-5	P84D-WRR-101725	Water	10/17/25 10:30	10/18/25 09:42	Illinois
400-284373-6	P43-WRR-101725	Water	10/17/25 12:20	10/18/25 09:42	Illinois
400-284373-7	P7U-WRR-101725	Water	10/17/25 13:05	10/18/25 09:42	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284373-1

Client Sample ID: TB-WRR-101725 — Lab Sample ID: 400-284373-1

No Detections.

Client Sample ID: P84C-WRR-101725 — Lab Sample ID: 400-284373-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	110		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P84B-WRR-101725 — Lab Sample ID: 400-284373-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	130		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	3.8	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	6.2	J	10	4.8	ug/L	1		6010D	Dissolved
Lead, Dissolved	3.0	J	5.0	2.7	ug/L	1		6010D	Dissolved

Client Sample ID: P84A-WRR-101725 — Lab Sample ID: 400-284373-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	35		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	1.8	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	12		10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.0	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P84D-WRR-101725 — Lab Sample ID: 400-284373-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	51		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P43-WRR-101725 — Lab Sample ID: 400-284373-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	23		10	6.0	ug/L	1		8260D	Total/NA
o-Xylene	6.1		5.0	3.0	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	16		5.0	3.0	ug/L	1		8260D	Total/NA
Barium, Dissolved	140		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	8.5	J	10	4.8	ug/L	1		6010D	Dissolved
Lead, Dissolved	3.0	J	5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.8	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P7U-WRR-101725 — Lab Sample ID: 400-284373-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	150		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	5.9	J	10	4.8	ug/L	1		6010D	Dissolved
Lead, Dissolved	3.0	J	5.0	2.7	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.1	J	5.0	0.92	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-101725

Lab Sample ID: 400-284373-1
Matrix: Water
Date Collected: 10/17/25 00:00
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 19:21	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 19:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 19:21	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 19:21	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 19:21	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 19:21	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/24/25 19:21*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*10/24/25 19:21*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*10/24/25 19:21*	*1*

Client Sample ID: P84C-WRR-101725

Lab Sample ID: 400-284373-2
Matrix: Water
Date Collected: 10/17/25 09:40
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 19:41	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 19:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 19:41	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 19:41	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 19:41	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 19:41	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*56 - 136*		*10/24/25 19:41*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*10/24/25 19:41*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/24/25 19:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/20/25 11:48	10/23/25 16:39	1
Phenol	ND	UJ	10	0.70	ug/L		10/20/25 11:48	10/23/25 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*70*		*10 - 150*	*10/20/25 11:48*	*10/23/25 16:39*	*1*
Terphenyl-d14	*63*		*43 - 147*	*10/20/25 11:48*	*10/23/25 16:39*	*1*
2,4,6-Tribromophenol	*111*		*10 - 150*	*10/20/25 11:48*	*10/23/25 16:39*	*1*
2-Fluorobiphenyl	*86*		*15 - 150*	*10/20/25 11:48*	*10/23/25 16:39*	*1*
2-Fluorophenol	*79*		*10 - 150*	*10/20/25 11:48*	*10/23/25 16:39*	*1*
Nitrobenzene-d5	*119*		*50 - 150*	*10/20/25 11:48*	*10/23/25 16:39*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:25	1
Barium, Dissolved	**110**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:25	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:25	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:25	1

Client Sample ID: P84C-WRR-101725
Lab Sample ID: 400-284373-2
Date Collected: 10/17/25 09:40
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:25	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:25	1

Client Sample ID: P84B-WRR-101725
Lab Sample ID: 400-284373-3
Date Collected: 10/17/25 09:50
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 20:02	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 20:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 20:02	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 20:02	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:02	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:02	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/24/25 20:02*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*10/24/25 20:02*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*10/24/25 20:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/20/25 11:48	10/23/25 17:12	1
Phenol	ND	UJ	10	0.69	ug/L		10/20/25 11:48	10/23/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*70*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:12*	*1*
Terphenyl-d14	*62*		*43 - 147*	*10/20/25 11:48*	*10/23/25 17:12*	*1*
2,4,6-Tribromophenol	*112*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:12*	*1*
2-Fluorobiphenyl	*82*		*15 - 150*	*10/20/25 11:48*	*10/23/25 17:12*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:12*	*1*
Nitrobenzene-d5	*113*		*50 - 150*	*10/20/25 11:48*	*10/23/25 17:12*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:30	1
Barium, Dissolved	**130**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:30	1
Cobalt, Dissolved	**3.8**	**J**	5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:30	1
Nickel, Dissolved	**6.2**	**J**	10	4.8	ug/L		10/23/25 08:31	10/23/25 19:30	1
Lead, Dissolved	**3.0**	**J**	5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:30	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:30	1

Client Sample ID: P84A-WRR-101725
Lab Sample ID: 400-284373-4
Date Collected: 10/17/25 10:15
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 20:22	1

Client Sample ID: P84A-WRR-101725

Lab Sample ID: 400-284373-4

Date Collected: 10/17/25 10:15

Matrix: Water

Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.90	ug/L			10/24/25 20:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 20:22	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 20:22	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:22	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*10/24/25 20:22*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*10/24/25 20:22*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*10/24/25 20:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/20/25 11:48	10/23/25 17:45	1
Phenol	ND	UJ	10	0.68	ug/L		10/20/25 11:48	10/23/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*69*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:45*	*1*
Terphenyl-d14	*69*		*43 - 147*	*10/20/25 11:48*	*10/23/25 17:45*	*1*
2,4,6-Tribromophenol	*118*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:45*	*1*
2-Fluorobiphenyl	*84*		*15 - 150*	*10/20/25 11:48*	*10/23/25 17:45*	*1*
2-Fluorophenol	*77*		*10 - 150*	*10/20/25 11:48*	*10/23/25 17:45*	*1*
Nitrobenzene-d5	*116*		*50 - 150*	*10/20/25 11:48*	*10/23/25 17:45*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:35	1
Barium, Dissolved	**35**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:35	1
Cobalt, Dissolved	**1.8**	**J**	5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:35	1
Nickel, Dissolved	**12**		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:35	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:35	1
Vanadium, Dissolved	**1.0**	**J**	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:35	1

Client Sample ID: P84D-WRR-101725

Lab Sample ID: 400-284373-5

Date Collected: 10/17/25 10:30

Matrix: Water

Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 20:43	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 20:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 20:43	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 20:43	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:43	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 20:43	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/24/25 20:43*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*10/24/25 20:43*	*1*

Client Sample ID: P84D-WRR-101725

Lab Sample ID: 400-284373-5

Date Collected: 10/17/25 10:30
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/24/25 20:43*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/20/25 11:48	10/23/25 18:17	1
Phenol	ND	UJ	10	0.68	ug/L		10/20/25 11:48	10/23/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*68*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:17*	*1*
Terphenyl-d14	*63*		*43 - 147*	*10/20/25 11:48*	*10/23/25 18:17*	*1*
2,4,6-Tribromophenol	*111*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:17*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*10/20/25 11:48*	*10/23/25 18:17*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:17*	*1*
Nitrobenzene-d5	*118*		*50 - 150*	*10/20/25 11:48*	*10/23/25 18:17*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:39	1
Barium, Dissolved	**51**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:39	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:39	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 19:39	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:39	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:39	1

Client Sample ID: P43-WRR-101725

Lab Sample ID: 400-284373-6

Date Collected: 10/17/25 12:20
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 21:03	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 21:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 21:03	1
Xylenes, Total	**23**		10	6.0	ug/L			10/24/25 21:03	1
o-Xylene	**6.1**		5.0	3.0	ug/L			10/24/25 21:03	1
m-Xylene & p-Xylene	**16**		5.0	3.0	ug/L			10/24/25 21:03	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*10/24/25 21:03*	*1*
Dibromofluoromethane	*90*		*79 - 130*		*10/24/25 21:03*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*10/24/25 21:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/20/25 11:48	10/23/25 18:49	1
Phenol	ND	UJ	10	0.69	ug/L		10/20/25 11:48	10/23/25 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*71*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:49*	*1*
Terphenyl-d14	*67*		*43 - 147*	*10/20/25 11:48*	*10/23/25 18:49*	*1*

Client Sample ID: P43-WRR-101725
Lab Sample ID: 400-284373-6
Date Collected: 10/17/25 12:20
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:49*	*1*
2-Fluorobiphenyl	*85*		*15 - 150*	*10/20/25 11:48*	*10/23/25 18:49*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/20/25 11:48*	*10/23/25 18:49*	*1*
Nitrobenzene-d5	*122*		*50 - 150*	*10/20/25 11:48*	*10/23/25 18:49*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:44	1
Barium, Dissolved	**140**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:44	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:44	1
Nickel, Dissolved	**8.5**	**J**	10	4.8	ug/L		10/23/25 08:31	10/23/25 19:44	1
Lead, Dissolved	**3.0**	**J**	5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:44	1
Vanadium, Dissolved	**1.8**	**J**	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:44	1

Client Sample ID: P7U-WRR-101725
Lab Sample ID: 400-284373-7
Date Collected: 10/17/25 13:05
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 21:24	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 21:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 21:24	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 21:24	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 21:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 21:24	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*56 - 136*		*10/24/25 21:24*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/24/25 21:24*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*10/24/25 21:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/20/25 11:48	10/23/25 19:22	1
Phenol	ND	UJ	10	0.69	ug/L		10/20/25 11:48	10/23/25 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*97*		*10 - 150*	*10/20/25 11:48*	*10/23/25 19:22*	*1*
Terphenyl-d14	*58*		*43 - 147*	*10/20/25 11:48*	*10/23/25 19:22*	*1*
2,4,6-Tribromophenol	*113*		*10 - 150*	*10/20/25 11:48*	*10/23/25 19:22*	*1*
2-Fluorobiphenyl	*81*		*15 - 150*	*10/20/25 11:48*	*10/23/25 19:22*	*1*
2-Fluorophenol	*89*		*10 - 150*	*10/20/25 11:48*	*10/23/25 19:22*	*1*
Nitrobenzene-d5	*115*		*50 - 150*	*10/20/25 11:48*	*10/23/25 19:22*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 19:48	1
Barium, Dissolved	**150**		10	1.2	ug/L		10/23/25 08:31	10/23/25 19:48	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 19:48	1

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P7U-WRR-101725
Lab Sample ID: 400-284373-7
Date Collected: 10/17/25 13:05
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	5.9	J	10	4.8	ug/L		10/23/25 08:31	10/23/25 19:48	1
Lead, Dissolved	3.0	J	5.0	2.7	ug/L		10/23/25 08:31	10/23/25 19:48	1
Vanadium, Dissolved	1.1	J	5.0	0.92	ug/L		10/23/25 08:31	10/23/25 19:48	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284373-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: TB-WRR-101725
Lab Sample ID: 400-284373-1
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 19:21

Client Sample ID: P84C-WRR-101725
Lab Sample ID: 400-284373-2
Date Collected: 10/17/25 09:40
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 19:41
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 16:39
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 16:39
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:25

Client Sample ID: P84B-WRR-101725
Lab Sample ID: 400-284373-3
Date Collected: 10/17/25 09:50
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 20:02
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 17:12
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 17:12
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:30

Client Sample ID: P84A-WRR-101725
Lab Sample ID: 400-284373-4
Date Collected: 10/17/25 10:15
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 20:22
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 17:45
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 17:45
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:35

Lab Chronicle

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P84D-WRR-101725
Lab Sample ID: 400-284373-5
Date Collected: 10/17/25 10:30
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 20:43
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 18:17
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 18:17
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:39

Client Sample ID: P43-WRR-101725
Lab Sample ID: 400-284373-6
Date Collected: 10/17/25 12:20
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 21:03
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 18:49
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 18:49
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:44

Client Sample ID: P7U-WRR-101725
Lab Sample ID: 400-284373-7
Date Collected: 10/17/25 13:05
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728062	HES	EET PEN	10/24/25 21:24
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727804	S1B	EET PEN	10/23/25 19:22
Total/NA	Prep	3511			727414	AMM	EET PEN	10/20/25 11:48
Total/NA	Analysis	8270E		1	727805	S1B	EET PEN	10/23/25 19:22
Dissolved	Prep	3005A			839610	BDE	EET CHI	10/23/25 08:31 - 10/23/25 14:31 [1]
Dissolved	Analysis	6010D		1	839812	SJ	EET CHI	10/23/25 19:48

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284373-1	TB-WRR-101725	109	94	108
400-284373-2	P84C-WRR-101725	111	92	110
400-284373-3	P84B-WRR-101725	105	92	108
400-284373-4	P84A-WRR-101725	108	91	112
400-284373-5	P84D-WRR-101725	105	95	109
400-284373-6	P43-WRR-101725	108	90	109
400-284373-7	P7U-WRR-101725	118	93	110
400-284539-A-1 MS	Matrix Spike	114	94	111
400-284539-A-1 MSD	Matrix Spike Duplicate	118	97	110
LCS 400-728062/1002	Lab Control Sample	121	92	114
MB 400-728062/5	Method Blank	113	93	111

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284373-2	P84C-WRR-101725	70	63	86	111	79	119
400-284373-3	P84B-WRR-101725	70	62	82	112	76	113
400-284373-4	P84A-WRR-101725	69	69	84	118	77	116
400-284373-5	P84D-WRR-101725	68	63	80	111	75	118
400-284373-6	P43-WRR-101725	71	67	85	110	75	122
400-284373-7	P7U-WRR-101725	97	58	81	113	89	115
LCS 400-727414/2-A	Lab Control Sample	66	89	85	116	68	123
LCSD 400-727414/3-A	Lab Control Sample Dup	80	87	83	114	76	121
MB 400-727414/1-A	Method Blank	70	100	93	120	73	127

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 728062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-1	TB-WRR-101725	Total/NA	Water	8260D	
400-284373-2	P84C-WRR-101725	Total/NA	Water	8260D	
400-284373-3	P84B-WRR-101725	Total/NA	Water	8260D	
400-284373-4	P84A-WRR-101725	Total/NA	Water	8260D	
400-284373-5	P84D-WRR-101725	Total/NA	Water	8260D	
400-284373-6	P43-WRR-101725	Total/NA	Water	8260D	
400-284373-7	P7U-WRR-101725	Total/NA	Water	8260D	
MB 400-728062/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728062/1002	Lab Control Sample	Total/NA	Water	8260D	
400-284539-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-284539-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-2	P84C-WRR-101725	Total/NA	Water	3511	
400-284373-3	P84B-WRR-101725	Total/NA	Water	3511	
400-284373-4	P84A-WRR-101725	Total/NA	Water	3511	
400-284373-5	P84D-WRR-101725	Total/NA	Water	3511	
400-284373-6	P43-WRR-101725	Total/NA	Water	3511	
400-284373-7	P7U-WRR-101725	Total/NA	Water	3511	
MB 400-727414/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727414/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727414/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-2	P84C-WRR-101725	Total/NA	Water	8270E	727414
400-284373-3	P84B-WRR-101725	Total/NA	Water	8270E	727414
400-284373-4	P84A-WRR-101725	Total/NA	Water	8270E	727414
400-284373-5	P84D-WRR-101725	Total/NA	Water	8270E	727414
400-284373-6	P43-WRR-101725	Total/NA	Water	8270E	727414
400-284373-7	P7U-WRR-101725	Total/NA	Water	8270E	727414
MB 400-727414/1-A	Method Blank	Total/NA	Water	8270E	727414
LCS 400-727414/2-A	Lab Control Sample	Total/NA	Water	8270E	727414
LCSD 400-727414/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727414

Analysis Batch: 727805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-2	P84C-WRR-101725	Total/NA	Water	8270E	727414
400-284373-3	P84B-WRR-101725	Total/NA	Water	8270E	727414
400-284373-4	P84A-WRR-101725	Total/NA	Water	8270E	727414
400-284373-5	P84D-WRR-101725	Total/NA	Water	8270E	727414
400-284373-6	P43-WRR-101725	Total/NA	Water	8270E	727414
400-284373-7	P7U-WRR-101725	Total/NA	Water	8270E	727414
MB 400-727414/1-A	Method Blank	Total/NA	Water	8270E	727414
LCS 400-727414/2-A	Lab Control Sample	Total/NA	Water	8270E	727414
LCSD 400-727414/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727414

QC Association Summary

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Metals

Prep Batch: 839610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-2	P84C-WRR-101725	Dissolved	Water	3005A	
400-284373-3	P84B-WRR-101725	Dissolved	Water	3005A	
400-284373-4	P84A-WRR-101725	Dissolved	Water	3005A	
400-284373-5	P84D-WRR-101725	Dissolved	Water	3005A	
400-284373-6	P43-WRR-101725	Dissolved	Water	3005A	
400-284373-7	P7U-WRR-101725	Dissolved	Water	3005A	
MB 500-839610/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-839610/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284369-H-2-C MS	Matrix Spike	Dissolved	Water	3005A	
400-284369-H-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
400-284369-H-2-B DU	Duplicate	Dissolved	Water	3005A	

Analysis Batch: 839812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284373-2	P84C-WRR-101725	Dissolved	Water	6010D	839610
400-284373-3	P84B-WRR-101725	Dissolved	Water	6010D	839610
400-284373-4	P84A-WRR-101725	Dissolved	Water	6010D	839610
400-284373-5	P84D-WRR-101725	Dissolved	Water	6010D	839610
400-284373-6	P43-WRR-101725	Dissolved	Water	6010D	839610
400-284373-7	P7U-WRR-101725	Dissolved	Water	6010D	839610
MB 500-839610/1-A	Method Blank	Total Recoverable	Water	6010D	839610
LCS 500-839610/2-A	Lab Control Sample	Total Recoverable	Water	6010D	839610
400-284369-H-2-C MS	Matrix Spike	Dissolved	Water	6010D	839610
400-284369-H-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	6010D	839610
400-284369-H-2-B DU	Duplicate	Dissolved	Water	6010D	839610

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728062/5
Matrix: Water
Analysis Batch: 728062

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/24/25 14:54	1
Toluene	ND		1.0	0.90	ug/L			10/24/25 14:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/24/25 14:54	1
Xylenes, Total	ND		10	6.0	ug/L			10/24/25 14:54	1
o-Xylene	ND		5.0	3.0	ug/L			10/24/25 14:54	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/24/25 14:54	1
Naphthalene	ND		5.0	3.0	ug/L			10/24/25 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/24/25 14:54*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*10/24/25 14:54*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*10/24/25 14:54*	*1*

Lab Sample ID: LCS 400-728062/1002
Matrix: Water
Analysis Batch: 728062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	48.5		ug/L		97	70 - 130		
Toluene			50.0	54.8		ug/L		110	70 - 130		
Ethylbenzene			50.0	59.6		ug/L		119	70 - 130		
Xylenes, Total			100	115		ug/L		115	70 - 130		
o-Xylene			50.0	56.9		ug/L		114	70 - 130		
m-Xylene & p-Xylene			50.0	58.4		ug/L		117	70 - 130		
Naphthalene			50.0	46.9		ug/L		94	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*121*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*114*		*64 - 132*

Lab Sample ID: 400-284539-A-1 MS
Matrix: Water
Analysis Batch: 728062

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	43.9		ug/L		88	56 - 142		
Toluene	1.2		50.0	47.9		ug/L		93	65 - 130		
Ethylbenzene	ND		50.0	51.1		ug/L		102	58 - 131		
Xylenes, Total	ND		100	103		ug/L		103	59 - 130		
o-Xylene	ND		50.0	50.9		ug/L		102	61 - 130		
m-Xylene & p-Xylene	ND		50.0	52.2		ug/L		104	57 - 130		
Naphthalene	ND		50.0	42.4		ug/L		85	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284539-A-1 MS
Matrix: Water
Analysis Batch: 728062

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*111*		*64 - 132*

Lab Sample ID: 400-284539-A-1 MSD
Matrix: Water
Analysis Batch: 728062

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	46.4		ug/L		93	56 - 142	6	30
Toluene	1.2		50.0	48.9		ug/L		95	65 - 130	2	30
Ethylbenzene	ND		50.0	51.0		ug/L		102	58 - 131	0	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	0	30
o-Xylene	ND		50.0	51.6		ug/L		103	61 - 130	1	30
m-Xylene & p-Xylene	ND		50.0	51.9		ug/L		104	57 - 130	1	30
Naphthalene	ND		50.0	45.4		ug/L		91	25 - 150	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*118*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
Toluene-d8 (Surr)	*110*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727414/1-A
Matrix: Water
Analysis Batch: 727804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/20/25 11:48	10/23/25 13:54	1
Phenol	ND		10	0.68	ug/L		10/20/25 11:48	10/23/25 13:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*70*		*10 - 150*	*10/20/25 11:48*	*10/23/25 13:54*	*1*
Terphenyl-d14	*100*		*43 - 147*	*10/20/25 11:48*	*10/23/25 13:54*	*1*
2,4,6-Tribromophenol	*120*		*10 - 150*	*10/20/25 11:48*	*10/23/25 13:54*	*1*
2-Fluorobiphenyl	*93*		*15 - 150*	*10/20/25 11:48*	*10/23/25 13:54*	*1*
2-Fluorophenol	*73*		*10 - 150*	*10/20/25 11:48*	*10/23/25 13:54*	*1*
Nitrobenzene-d5	*127*		*50 - 150*	*10/20/25 11:48*	*10/23/25 13:54*	*1*

Lab Sample ID: LCS 400-727414/2-A
Matrix: Water
Analysis Batch: 727804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727414

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	31.1		ug/L		93	24 - 150		
Phenol			33.3	26.6		ug/L		80	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*66*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727414/2-A
Matrix: Water
Analysis Batch: 727804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727414

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*89*		*43 - 147*
2,4,6-Tribromophenol	*116*		*10 - 150*
2-Fluorobiphenyl	*85*		*15 - 150*
2-Fluorophenol	*68*		*10 - 150*
Nitrobenzene-d5	*123*		*50 - 150*

Lab Sample ID: LCSD 400-727414/3-A
Matrix: Water
Analysis Batch: 727804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727414

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene			33.3	29.2		ug/L		88	24 - 150	6	40
Phenol			33.3	28.6		ug/L		86	10 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*80*		*10 - 150*
Terphenyl-d14	*87*		*43 - 147*
2,4,6-Tribromophenol	*114*		*10 - 150*
2-Fluorobiphenyl	*83*		*15 - 150*
2-Fluorophenol	*76*		*10 - 150*
Nitrobenzene-d5	*121*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-839610/1-A
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 839610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/23/25 08:31	10/23/25 18:32	1
Barium, Dissolved	ND		10	1.2	ug/L		10/23/25 08:31	10/23/25 18:32	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/23/25 08:31	10/23/25 18:32	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/23/25 08:31	10/23/25 18:32	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/23/25 08:31	10/23/25 18:32	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/23/25 08:31	10/23/25 18:32	1

Lab Sample ID: LCS 500-839610/2-A
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 839610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic, Dissolved			100	89.4		ug/L		89	80 - 120		
Barium, Dissolved			500	476		ug/L		95	80 - 120		
Cobalt, Dissolved			500	488		ug/L		98	80 - 120		
Nickel, Dissolved			500	491		ug/L		98	80 - 120		
Lead, Dissolved			100	102		ug/L		102	80 - 120		
Vanadium, Dissolved			500	475		ug/L		95	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284369-H-2-C MS
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic, Dissolved	ND		100	92.4		ug/L		92	75 - 125		
Barium, Dissolved	ND		500	488		ug/L		98	75 - 125		
Cobalt, Dissolved	ND		500	501		ug/L		100	75 - 125		
Nickel, Dissolved	ND		500	504		ug/L		101	75 - 125		
Lead, Dissolved	ND		100	105		ug/L		105	75 - 125		
Vanadium, Dissolved	ND		500	490		ug/L		98	75 - 125		

Lab Sample ID: 400-284369-H-2-D MSD
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	90.4		ug/L		90	75 - 125	2	20
Barium, Dissolved	ND		500	480		ug/L		96	75 - 125	2	20
Cobalt, Dissolved	ND		500	494		ug/L		99	75 - 125	1	20
Nickel, Dissolved	ND		500	525		ug/L		105	75 - 125	4	20
Lead, Dissolved	ND		100	103		ug/L		103	75 - 125	2	20
Vanadium, Dissolved	ND		500	480		ug/L		96	75 - 125	2	20

Lab Sample ID: 400-284369-H-2-B DU
Matrix: Water
Analysis Batch: 839812

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 839610

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	ND			ND		ug/L				NC	20
Barium, Dissolved	ND			ND		ug/L				NC	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ UBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/17/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal, Tony Jones

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 7 DAYS ☐ 5 DAYS ☐ 3 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com; brett.howell@aecom.com

- **Dissolved metals are field filtered.**
- **Include "J" values on Reports.**
- **Provide sample receipt upon login.**
- **Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

400-284373 Chain of Custody

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)	FIELD NOTES.
	TB-WRR-101725	10/17/2025	0000	Water	2					2	X				
	P84C-WRR-101725	10/17/2025	0940	Water	3	1		4		8	X	X	X	X	
	P84B-WRR-101725	10/17/2025	0950	Water	3	1		4		8	X	X	X	X	
	P84A-WRR-101725	10/17/2025	1015	Water	3	1		4		8	X	X	X	X	
	P84D-WRR-101725	10/17/2025	1030	Water	3	1		4		8	X	X	X	X	
	P43-WRR-101725	10/17/2025	1220	Water	3	1		4		8	X	X	X	X	
	P7U-WRR-101725	10/17/2025	1305	Water	3	1		4		8	X	X	X	X	

13

10/17/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 4744 8092 6587; 4744 8092 6576	10/17/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	MR (Eurofins)	10/18/25	942
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEALS: 2698048, 2698049 2698051 2698050

0.00C/IR11

Version: 21July25

Eurofins Pensacola
3355 McLamore Drive
Pensacola, FL 32514
Phone 850 474-1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387760 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400-284373-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/29/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534-5200(Tel) 708-534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

Analysis Requested

Preservation Codes:

400-284373 COC

Oth
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chi)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P84C-WRR-101725 (400 284373 2)	10/17/25	09.40 Central	G	Water			X	1	
P84B WRR-101725 (400-284373-3)	10/17/25	09:50 Central	G	Water			X	1	
P84A WRR-101725 (400 284373-4)	10/17/25	10 15 Central	G	Water			X	1	
P84D-WRR 101725 (400 284373 5)	10/17/25	10.30 Central	G	Water			X	1	
P43 WRR-101725 (400 284373-6)	10/17/25	12:20 Central	G	Water			X	1	
P7U-WRR-101725 (400-284373 7)	10/17/25	13:05 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/20/25 1700	ECP	Stephanie Hernandez	10/21/25 0920	EEA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		unchilled

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284373-1

Login Number: 284373
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C, 0.0°C IR-11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284373-1

Login Number: 284373
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 10/21/25 02:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284373-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284493-1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/11/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-727811/1-A	SVOCs	Phenol	1.22 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported for non-detect, or at concentrations greater than five times (5X) the associated blank concentration.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P83B-WRR-102025	SVOCs	Phenol	-	**U**
P83D-WRR-102025	SVOCs	Phenol	-	**U**
P94-WRR-102025	SVOCs	Phenol	-	**U**

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method	X			
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/30/2025 3:30:03 PM

JOB DESCRIPTION

REFINERY 2H Semiannual

JOB NUMBER

400-284493-1

Reviewed By : SS 12/11/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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10/30/2025 3:30:03 PM

Authorized for release by
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Job ID: 400-284493-1 — Eurofins Pensacola

Job Narrative
400-284493-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/21/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.4°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The method blank for preparation batch 400-727811 and analytical batch 400-728176 contained Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284493-1	TB-WRR-102025	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284493-2	P83D-WRR-102025	Water	10/20/25 10:15	10/21/25 09:55	Illinois
400-284493-3	P83B-WRR-102025	Water	10/20/25 10:35	10/21/25 09:55	Illinois
400-284493-4	P83A-WRR-102025	Water	10/20/25 11:40	10/21/25 09:55	Illinois
400-284493-5	P83C-WRR-102025	Water	10/20/25 11:30	10/21/25 09:55	Illinois
400-284493-6	P94-WRR-102025	Water	10/20/25 13:25	10/21/25 09:55	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

Client Sample ID: TB-WRR-102025 — Lab Sample ID: 400-284493-1

No Detections.

Client Sample ID: P83D-WRR-102025 — Lab Sample ID: 400-284493-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	1.4	J B	10	0.69	ug/L	1		8270E	Total/NA
Barium, Dissolved	95		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P83B-WRR-102025 — Lab Sample ID: 400-284493-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	1.1	J B	10	0.69	ug/L	1		8270E	Total/NA
Barium, Dissolved	44		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	4.8	J	5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	17		10	4.8	ug/L	1		6010D	Dissolved

Client Sample ID: P83A-WRR-102025 — Lab Sample ID: 400-284493-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	81		10	1.2	ug/L	1		6010D	Dissolved
Cobalt, Dissolved	5.3		5.0	0.78	ug/L	1		6010D	Dissolved
Nickel, Dissolved	37		10	4.8	ug/L	1		6010D	Dissolved
Vanadium, Dissolved	1.0	J	5.0	0.92	ug/L	1		6010D	Dissolved

Client Sample ID: P83C-WRR-102025 — Lab Sample ID: 400-284493-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	160		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P94-WRR-102025 — Lab Sample ID: 400-284493-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	0.72	J B	10	0.69	ug/L	1		8270E	Total/NA
Barium, Dissolved	20		10	1.2	ug/L	1		6010D	Dissolved
Nickel, Dissolved	9.5	J	10	4.8	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-102025

Lab Sample ID: 400-284493-1

Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 13:54	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 13:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 13:54	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 13:54	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 13:54	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 13:54	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/28/25 13:54*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/28/25 13:54*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*10/28/25 13:54*	*1*

Client Sample ID: P83D-WRR-102025

Lab Sample ID: 400-284493-2

Date Collected: 10/20/25 10:15
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 10:52	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 10:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 10:52	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 10:52	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 10:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 10:52	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/29/25 10:52*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/29/25 10:52*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*10/29/25 10:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/23/25 09:27	10/26/25 15:42	1
Phenol	10 ~~1.4~~ J B U		10	0.69	ug/L		10/23/25 09:27	10/26/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*72*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:42*	*1*
Terphenyl-d14	*49*		*43 - 147*	*10/23/25 09:27*	*10/26/25 15:42*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:42*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*10/23/25 09:27*	*10/26/25 15:42*	*1*
2-Fluorophenol	*80*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:42*	*1*
Nitrobenzene-d5	*77*		*50 - 150*	*10/23/25 09:27*	*10/26/25 15:42*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 03:51	1
Barium, Dissolved	95		10	1.2	ug/L		10/25/25 07:04	10/30/25 03:51	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:04	10/30/25 03:51	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:04	10/30/25 03:51	1

Client Sample ID: P83D-WRR-102025
Lab Sample ID: 400-284493-2
Date Collected: 10/20/25 10:15
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 03:51	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:04	10/30/25 03:51	1

Client Sample ID: P83B-WRR-102025
Lab Sample ID: 400-284493-3
Date Collected: 10/20/25 10:35
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 14:17	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 14:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 14:17	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 14:17	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 14:17	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 14:17	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/29/25 14:17*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/29/25 14:17*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*10/29/25 14:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/23/25 09:27	10/26/25 17:11	1
Phenol	10 ~~1.1~~ J B U		10	0.69	ug/L		10/23/25 09:27	10/26/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*71*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:11*	*1*
Terphenyl-d14	*49*		*43 - 147*	*10/23/25 09:27*	*10/26/25 17:11*	*1*
2,4,6-Tribromophenol	*84*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:11*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*10/23/25 09:27*	*10/26/25 17:11*	*1*
2-Fluorophenol	*80*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:11*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/23/25 09:27*	*10/26/25 17:11*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 04:27	1
Barium, Dissolved	44		10	1.2	ug/L		10/25/25 07:04	10/30/25 04:27	1
Cobalt, Dissolved	4.8	J	5.0	0.78	ug/L		10/25/25 07:04	10/30/25 04:27	1
Nickel, Dissolved	17		10	4.8	ug/L		10/25/25 07:04	10/30/25 04:27	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 04:27	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:04	10/30/25 04:27	1

Client Sample ID: P83A-WRR-102025
Lab Sample ID: 400-284493-4
Date Collected: 10/20/25 11:40
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 14:40	1

Client Sample ID: P83A-WRR-102025

Lab Sample ID: 400-284493-4

Date Collected: 10/20/25 11:40

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.90	ug/L			10/29/25 14:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 14:40	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 14:40	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 14:40	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 14:40	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/29/25 14:40*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/29/25 14:40*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*10/29/25 14:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/23/25 09:27	10/26/25 17:41	1
Phenol	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*66*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:41*	*1*
Terphenyl-d14	*58*		*43 - 147*	*10/23/25 09:27*	*10/26/25 17:41*	*1*
2,4,6-Tribromophenol	*85*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:41*	*1*
2-Fluorobiphenyl	*82*		*15 - 150*	*10/23/25 09:27*	*10/26/25 17:41*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:41*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/23/25 09:27*	*10/26/25 17:41*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 04:31	1
Barium, Dissolved	**81**		10	1.2	ug/L		10/25/25 07:04	10/30/25 04:31	1
Cobalt, Dissolved	**5.3**		5.0	0.78	ug/L		10/25/25 07:04	10/30/25 04:31	1
Nickel, Dissolved	**37**		10	4.8	ug/L		10/25/25 07:04	10/30/25 04:31	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 04:31	1
Vanadium, Dissolved	**1.0**	**J**	5.0	0.92	ug/L		10/25/25 07:04	10/30/25 04:31	1

Client Sample ID: P83C-WRR-102025

Lab Sample ID: 400-284493-5

Date Collected: 10/20/25 11:30

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 15:03	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 15:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 15:03	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 15:03	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 15:03	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 15:03	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/29/25 15:03*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*10/29/25 15:03*	*1*

Client Sample ID: P83C-WRR-102025

Lab Sample ID: 400-284493-5

Date Collected: 10/20/25 11:30

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*64 - 132*		*10/29/25 15:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:27	10/26/25 18:10	1
Phenol	ND		10	0.68	ug/L		10/23/25 09:27	10/26/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*56*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:10*	*1*
Terphenyl-d14	*53*		*43 - 147*	*10/23/25 09:27*	*10/26/25 18:10*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:10*	*1*
2-Fluorobiphenyl	*81*		*15 - 150*	*10/23/25 09:27*	*10/26/25 18:10*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:10*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*10/23/25 09:27*	*10/26/25 18:10*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 04:36	1
Barium, Dissolved	**160**		10	1.2	ug/L		10/25/25 07:04	10/30/25 04:36	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:04	10/30/25 04:36	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:04	10/30/25 04:36	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 04:36	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:04	10/30/25 04:36	1

Client Sample ID: P94-WRR-102025

Lab Sample ID: 400-284493-6

Date Collected: 10/20/25 13:25

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 15:26	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 15:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 15:26	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 15:26	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 15:26	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 15:26	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*10/29/25 15:26*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/29/25 15:26*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*10/29/25 15:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/23/25 09:27	10/26/25 18:40	1
Phenol	10 ~~0.72~~ J B U		10	0.69	ug/L		10/23/25 09:27	10/26/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*65*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:40*	*1*
Terphenyl-d14	*51*		*43 - 147*	*10/23/25 09:27*	*10/26/25 18:40*	*1*

Client: AECOM
Job ID: 400-284493-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P94-WRR-102025
Lab Sample ID: 400-284493-6
Date Collected: 10/20/25 13:25
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:40*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*10/23/25 09:27*	*10/26/25 18:40*	*1*
2-Fluorophenol	*77*		*10 - 150*	*10/23/25 09:27*	*10/26/25 18:40*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/23/25 09:27*	*10/26/25 18:40*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 04:41	1
Barium, Dissolved	**20**		10	1.2	ug/L		10/25/25 07:04	10/30/25 04:41	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:04	10/30/25 04:41	1
Nickel, Dissolved	**9.5**	**J**	10	4.8	ug/L		10/25/25 07:04	10/30/25 04:41	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 04:41	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:04	10/30/25 04:41	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284493-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

Client Sample ID: TB-WRR-102025
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284493-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728399	WPD	EET PEN	10/28/25 13:54

Client Sample ID: P83D-WRR-102025
Date Collected: 10/20/25 10:15
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284493-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728577	WPD	EET PEN	10/29/25 10:52
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728226	S1B	EET PEN	10/26/25 15:42
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728227	S1B	EET PEN	10/26/25 15:42
Dissolved	Prep	3005A			840014	BDE	EET CHI	10/25/25 07:04 - 10/25/25 13:04 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 03:51

Client Sample ID: P83B-WRR-102025
Date Collected: 10/20/25 10:35
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284493-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728577	WPD	EET PEN	10/29/25 14:17
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728226	S1B	EET PEN	10/26/25 17:11
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728227	S1B	EET PEN	10/26/25 17:11
Dissolved	Prep	3005A			840014	BDE	EET CHI	10/25/25 07:04 - 10/25/25 13:04 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 04:27

Client Sample ID: P83A-WRR-102025
Date Collected: 10/20/25 11:40
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284493-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728577	WPD	EET PEN	10/29/25 14:40
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728226	S1B	EET PEN	10/26/25 17:41
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728227	S1B	EET PEN	10/26/25 17:41
Dissolved	Prep	3005A			840014	BDE	EET CHI	10/25/25 07:04 - 10/25/25 13:04 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 04:31

Lab Chronicle

Client: AECOM
Job ID: 400-284493-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P83C-WRR-102025
Lab Sample ID: 400-284493-5
Date Collected: 10/20/25 11:30
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728577	WPD	EET PEN	10/29/25 15:03
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728226	S1B	EET PEN	10/26/25 18:10
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728227	S1B	EET PEN	10/26/25 18:10
Dissolved	Prep	3005A			840014	BDE	EET CHI	10/25/25 07:04 - 10/25/25 13:04 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 04:36

Client Sample ID: P94-WRR-102025
Lab Sample ID: 400-284493-6
Date Collected: 10/20/25 13:25
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728577	WPD	EET PEN	10/29/25 15:26
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728226	S1B	EET PEN	10/26/25 18:40
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728227	S1B	EET PEN	10/26/25 18:40
Dissolved	Prep	3005A			840014	BDE	EET CHI	10/25/25 07:04 - 10/25/25 13:04 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 04:41

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284493-1	TB-WRR-102025	105	100	96
400-284493-2	P83D-WRR-102025	104	100	97
400-284493-2 MS	P83D-WRR-102025	104	89	98
400-284493-2 MSD	P83D-WRR-102025	105	89	99
400-284493-3	P83B-WRR-102025	105	98	96
400-284493-4	P83A-WRR-102025	106	98	96
400-284493-5	P83C-WRR-102025	102	99	96
400-284493-6	P94-WRR-102025	103	103	97
400-284558-A-11 MS	Matrix Spike	104	89	99
400-284558-A-11 MSD	Matrix Spike Duplicate	106	88	100
LCS 400-728399/1002	Lab Control Sample	104	88	99
LCS 400-728577/1002	Lab Control Sample	106	88	101
MB 400-728399/4	Method Blank	106	96	99
MB 400-728577/5	Method Blank	104	98	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284493-2	P83D-WRR-102025	72	49	77	89	80	77
400-284493-2 MS	P83D-WRR-102025	83	46	77	88	85	85
400-284493-2 MSD	P83D-WRR-102025	87	46	81	93	85	83
400-284493-3	P83B-WRR-102025	71	49	80	84	80	84
400-284493-4	P83A-WRR-102025	66	58	82	85	76	84
400-284493-5	P83C-WRR-102025	56	53	81	90	68	82
400-284493-6	P94-WRR-102025	65	51	79	88	77	83
LCS 400-727811/2-A	Lab Control Sample	82	74	70	87	87	72
MB 400-727811/1-A	Method Blank	56	77	70	88	71	74

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 728399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-1	TB-WRR-102025	Total/NA	Water	8260D	
MB 400-728399/4	Method Blank	Total/NA	Water	8260D	
LCS 400-728399/1002	Lab Control Sample	Total/NA	Water	8260D	
400-284558-A-11 MS	Matrix Spike	Total/NA	Water	8260D	
400-284558-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 728577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Total/NA	Water	8260D	
400-284493-3	P83B-WRR-102025	Total/NA	Water	8260D	
400-284493-4	P83A-WRR-102025	Total/NA	Water	8260D	
400-284493-5	P83C-WRR-102025	Total/NA	Water	8260D	
400-284493-6	P94-WRR-102025	Total/NA	Water	8260D	
MB 400-728577/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728577/1002	Lab Control Sample	Total/NA	Water	8260D	
400-284493-2 MS	P83D-WRR-102025	Total/NA	Water	8260D	
400-284493-2 MSD	P83D-WRR-102025	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Total/NA	Water	3511	
400-284493-3	P83B-WRR-102025	Total/NA	Water	3511	
400-284493-4	P83A-WRR-102025	Total/NA	Water	3511	
400-284493-5	P83C-WRR-102025	Total/NA	Water	3511	
400-284493-6	P94-WRR-102025	Total/NA	Water	3511	
MB 400-727811/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	3511	
400-284493-2 MS	P83D-WRR-102025	Total/NA	Water	3511	
400-284493-2 MSD	P83D-WRR-102025	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Total/NA	Water	8270E	727811
400-284493-3	P83B-WRR-102025	Total/NA	Water	8270E	727811
400-284493-4	P83A-WRR-102025	Total/NA	Water	8270E	727811
400-284493-5	P83C-WRR-102025	Total/NA	Water	8270E	727811
400-284493-6	P94-WRR-102025	Total/NA	Water	8270E	727811
400-284493-2 MS	P83D-WRR-102025	Total/NA	Water	8270E	727811
400-284493-2 MSD	P83D-WRR-102025	Total/NA	Water	8270E	727811

QC Association Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284493-1

GC/MS Semi VOA

Analysis Batch: 728227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Total/NA	Water	8270E	727811
400-284493-3	P83B-WRR-102025	Total/NA	Water	8270E	727811
400-284493-4	P83A-WRR-102025	Total/NA	Water	8270E	727811
400-284493-5	P83C-WRR-102025	Total/NA	Water	8270E	727811
400-284493-6	P94-WRR-102025	Total/NA	Water	8270E	727811
400-284493-2 MS	P83D-WRR-102025	Total/NA	Water	8270E	727811
400-284493-2 MSD	P83D-WRR-102025	Total/NA	Water	8270E	727811

Metals

Prep Batch: 840014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Dissolved	Water	3005A	
400-284493-3	P83B-WRR-102025	Dissolved	Water	3005A	
400-284493-4	P83A-WRR-102025	Dissolved	Water	3005A	
400-284493-5	P83C-WRR-102025	Dissolved	Water	3005A	
400-284493-6	P94-WRR-102025	Dissolved	Water	3005A	
MB 500-840014/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-840014/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284493-2 MS	P83D-WRR-102025	Dissolved	Water	3005A	
400-284493-2 MSD	P83D-WRR-102025	Dissolved	Water	3005A	
400-284493-2 DU	P83D-WRR-102025	Dissolved	Water	3005A	

Analysis Batch: 840818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-2	P83D-WRR-102025	Dissolved	Water	6010D	840014
400-284493-3	P83B-WRR-102025	Dissolved	Water	6010D	840014
400-284493-4	P83A-WRR-102025	Dissolved	Water	6010D	840014
400-284493-5	P83C-WRR-102025	Dissolved	Water	6010D	840014
400-284493-6	P94-WRR-102025	Dissolved	Water	6010D	840014
MB 500-840014/1-A	Method Blank	Total Recoverable	Water	6010D	840014
LCS 500-840014/2-A	Lab Control Sample	Total Recoverable	Water	6010D	840014
400-284493-2 MS	P83D-WRR-102025	Dissolved	Water	6010D	840014
400-284493-2 MSD	P83D-WRR-102025	Dissolved	Water	6010D	840014
400-284493-2 DU	P83D-WRR-102025	Dissolved	Water	6010D	840014

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728399/4
Matrix: Water
Analysis Batch: 728399

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 08:34	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 08:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 08:34	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 08:34	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 08:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 08:34	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 08:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/28/25 08:34*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*10/28/25 08:34*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*10/28/25 08:34*	*1*

Lab Sample ID: LCS 400-728399/1002
Matrix: Water
Analysis Batch: 728399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	44.0		ug/L		88	70 - 130		
Toluene			50.0	43.5		ug/L		87	70 - 130		
Ethylbenzene			50.0	43.4		ug/L		87	70 - 130		
Xylenes, Total			100	83.0		ug/L		83	70 - 130		
o-Xylene			50.0	41.9		ug/L		84	70 - 130		
m-Xylene & p-Xylene			50.0	41.1		ug/L		82	70 - 130		
Naphthalene			50.0	41.6		ug/L		83	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*56 - 136*
Dibromofluoromethane	*88*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-284558-A-11 MS
Matrix: Water
Analysis Batch: 728399

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	37.8		ug/L		76	56 - 142		
Toluene	ND		50.0	35.6		ug/L		71	65 - 130		
Ethylbenzene	ND		50.0	33.1		ug/L		66	58 - 131		
Xylenes, Total	ND		100	62.5		ug/L		62	59 - 130		
o-Xylene	ND		50.0	31.8		ug/L		64	61 - 130		
m-Xylene & p-Xylene	ND		50.0	30.7		ug/L		61	57 - 130		
Naphthalene	ND		50.0	33.9		ug/L		68	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*56 - 136*
Dibromofluoromethane	*89*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284558-A-11 MS
Matrix: Water
Analysis Batch: 728399

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-284558-A-11 MSD
Matrix: Water
Analysis Batch: 728399

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	48.6		ug/L		97	56 - 142	25	30
Toluene	ND		50.0	45.7		ug/L		91	65 - 130	25	30
Ethylbenzene	ND		50.0	42.4		ug/L		85	58 - 131	25	30
Xylenes, Total	ND		100	79.5		ug/L		80	59 - 130	24	30
o-Xylene	ND		50.0	40.3		ug/L		81	61 - 130	24	30
m-Xylene & p-Xylene	ND		50.0	39.3		ug/L		79	57 - 130	24	30
Naphthalene	ND		50.0	42.7		ug/L		85	25 - 150	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*88*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-728577/5
Matrix: Water
Analysis Batch: 728577

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/29/25 08:12	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 08:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 08:12	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 08:12	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 08:12	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 08:12	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 08:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*10/29/25 08:12*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/29/25 08:12*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*10/29/25 08:12*	*1*

Lab Sample ID: LCS 400-728577/1002
Matrix: Water
Analysis Batch: 728577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	52.7		ug/L		105	70 - 130
Toluene	50.0	52.1		ug/L		104	70 - 130
Ethylbenzene	50.0	50.2		ug/L		100	70 - 130
Xylenes, Total	100	94.5		ug/L		94	70 - 130
o-Xylene	50.0	48.0		ug/L		96	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728577/1002
Matrix: Water
Analysis Batch: 728577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	46.5		ug/L		93	70 - 130		
Naphthalene			50.0	51.9		ug/L		104	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*88*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: 400-284493-2 MS
Matrix: Water
Analysis Batch: 728577

Client Sample ID: P83D-WRR-102025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	38.9		ug/L		78	56 - 142		
Toluene	ND		50.0	35.6		ug/L		71	65 - 130		
Ethylbenzene	ND		50.0	32.7		ug/L		65	58 - 131		
Xylenes, Total	ND		100	61.7		ug/L		62	59 - 130		
o-Xylene	ND		50.0	31.5		ug/L		63	61 - 130		
m-Xylene & p-Xylene	ND		50.0	30.2		ug/L		60	57 - 130		
Naphthalene	ND		50.0	34.8		ug/L		70	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*56 - 136*
Dibromofluoromethane	*89*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-284493-2 MSD
Matrix: Water
Analysis Batch: 728577

Client Sample ID: P83D-WRR-102025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	45.7		ug/L		91	56 - 142	16	30
Toluene	ND		50.0	41.3		ug/L		83	65 - 130	15	30
Ethylbenzene	ND		50.0	37.4		ug/L		75	58 - 131	14	30
Xylenes, Total	ND		100	69.8		ug/L		70	59 - 130	12	30
o-Xylene	ND		50.0	35.8		ug/L		72	61 - 130	13	30
m-Xylene & p-Xylene	ND		50.0	34.1		ug/L		68	57 - 130	12	30
Naphthalene	ND		50.0	34.9		ug/L		70	25 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*89*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenol	1.22	J	10	0.68	ug/L		10/23/25 09:26	10/25/25 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*56*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	33.3	22.6		ug/L		68	24 - 150
Phenol	33.3	31.2		ug/L		93	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*74*		*43 - 147*
2,4,6-Tribromophenol	*87*		*10 - 150*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*72*		*50 - 150*

Lab Sample ID: 400-284493-2 MS
Matrix: Water
Analysis Batch: 728226

Client Sample ID: P83D-WRR-102025
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	ND		33.3	27.5		ug/L		82	50 - 150
Phenol	1.4	J B	33.3	32.5		ug/L		93	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*83*		*10 - 150*
Terphenyl-d14	*46*		*43 - 147*
2,4,6-Tribromophenol	*88*		*10 - 150*
2-Fluorobiphenyl	*77*		*15 - 150*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-284493-2 MSD
Matrix: Water
Analysis Batch: 728226

Client Sample ID: P83D-WRR-102025
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		33.9	27.0		ug/L		80	50 - 150	2	40
Phenol	1.4	J B	33.9	34.1		ug/L		96	50 - 150	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*46*		*43 - 147*
2,4,6-Tribromophenol	*93*		*10 - 150*
2-Fluorobiphenyl	*81*		*15 - 150*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-840014/1-A
Matrix: Water
Analysis Batch: 840818

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 840014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:04	10/30/25 03:42	1
Barium, Dissolved	ND		10	1.2	ug/L		10/25/25 07:04	10/30/25 03:42	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:04	10/30/25 03:42	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:04	10/30/25 03:42	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:04	10/30/25 03:42	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:04	10/30/25 03:42	1

Lab Sample ID: LCS 500-840014/2-A
Matrix: Water
Analysis Batch: 840818

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 840014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	86.1		ug/L		86	80 - 120
Barium, Dissolved	500	440		ug/L		88	80 - 120
Cobalt, Dissolved	500	455		ug/L		91	80 - 120
Nickel, Dissolved	500	446		ug/L		89	80 - 120
Lead, Dissolved	100	93.8		ug/L		94	80 - 120
Vanadium, Dissolved	500	434		ug/L		87	80 - 120

Lab Sample ID: 400-284493-2 MS
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P83D-WRR-102025
Prep Type: Dissolved
Prep Batch: 840014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	89.6		ug/L		90	75 - 125
Barium, Dissolved	95		500	545		ug/L		90	75 - 125
Cobalt, Dissolved	ND		500	472		ug/L		94	75 - 125
Nickel, Dissolved	ND		500	462		ug/L		92	75 - 125
Lead, Dissolved	ND		100	94.2		ug/L		94	75 - 125
Vanadium, Dissolved	ND		500	452		ug/L		90	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284493-2 MSD
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P83D-WRR-102025
Prep Type: Dissolved
Prep Batch: 840014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	92.1		ug/L		92	75 - 125	3	20
Barium, Dissolved	95		500	545		ug/L		90	75 - 125	0	20
Cobalt, Dissolved	ND		500	477		ug/L		95	75 - 125	1	20
Nickel, Dissolved	ND		500	517		ug/L		103	75 - 125	11	20
Lead, Dissolved	ND		100	94.5		ug/L		94	75 - 125	0	20
Vanadium, Dissolved	ND		500	456		ug/L		91	75 - 125	1	20

Lab Sample ID: 400-284493-2 DU
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P83D-WRR-102025
Prep Type: Dissolved
Prep Batch: 840014

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	ND			ND		ug/L				NC	20
Barium, Dissolved	95			95.8		ug/L				0.6	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/20/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60771235 – 6.1.2	USPC/00114/R/02	

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Erika Neal Tony Jones

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com; brett.howell@aecom.com

- * Dissolved metals are field filtered.
- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 8010B (As, Ba, Co, Pb, Ni, Va)
	TB-WRR-102025	10/20/2025	0000	Water	2					2	X			
	P83D-WRR-102025	10/20/2025	1015	Water	3	1		4		8	X	X	X	X
	P83D-WRR-102025-MS	10/20/2025	1015	Water	3	1		4		8	X	X	X	X
	P83D-WRR-102025-MSD	10/20/2025	1015	Water	3	1		4		8	X	X	X	X
	P83B-WRR-102025	10/20/2025	1035	Water	3	1		4		8	X	X	X	X
	P83A-WRR-102025	10/20/2025	1140	Water	3	1		4		8	X	X	X	X
	P83C-WRR-102025	10/20/2025	1130	Water	3	1		4		8	X	X	X	X
	P94-WRR-102025	10/20/2025	1325	Water	3	1		4		8	X	X	X	X

400-284493 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 4744 8092 6565; 4234 9608 5720	10/20/2025	1600
Relinquished by: (Signature)	Received by: (Signature) (Eurofins)	Date: 10/21/25	Time: 955
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698052, 2698053, 2698054, 2698055

0.4°C/IR10

0.0°C/IR10

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850 478-2671

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387943 1
Client Contact	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et.eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400-284493-1
Address	**Due Date Requested**			**Preservation Codes:**
18410 Crossing Drive, Suite E,	10/30/2025			-
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534 5200(Tel) 708-534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			Other. N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chi)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P83D-WRR 102025 (400 284493 2)	10/20/25	10 15 Central	G	Water			X	1	
P83D WRR 102025 (400 284493 2MS)	10/20/25	10 15 Central	G	Water			X	1	
P83D WRR 102025 (400-284493 2MSD)	10/20/25	10 15 Central	G	Water			X	1	
P83B-WRR 102025 (400 284493-3)	10/20/25	10.35 Central	G	Water			X	1	
P83A WRR-102025 (400 284493-4)	10/20/25	11 40 Central	G	Water			X	1	
P83C WRR 102025 (400-284493-5)	10/20/25	11 30 Central	G	Water			X	1	
P94 WRR-102025 (400 284493 6)	10/20/25	13.25 Central	G	Water			X	1	

400-284493 COC

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/22/25 1200				
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				10/23/25 0905	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
		Unchilled

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284493-1

Login Number: 284493
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4°C, 0.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284493-1

Login Number: 284493
List Number: 2
Creator: Knox, Angel

List Source: Eurofins Chicago
List Creation: 10/24/25 07:53 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284493-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284493-1-R1

Site Name: Shell Wood River Refinery

Prepared By and Date: Sachin S 12/11/2025

Event Reviewed: 2H Semiannual 2025 Data Review

Reviewed By and Date: Delaine Austin 12/21/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-727811/1-A	SVOCs	Phenol	1.22 µg/L

Analytical data that were reported for non-detect, or at concentrations greater than five times (5X) the associated blank concentration.

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			The samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on December 15, 2025, to include inadvertently omitted QC.
Usability	No results qualified as unusable.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 90-110% as applicable to the method				
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples)			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 12/15/2025 7:08:48 AM Revision 1

JOB DESCRIPTION

REFINERY 2H Semiannual

Reviewed By: SS 12/11/2025

JOB NUMBER

400-284499-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
12/15/2025 7:08:48 AM
Revision 1

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284499-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Revision
Report revised to correct QC linking. Supersedes report dated 11-4-2025.

Receipt
The samples were received on 10/21/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.4°C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93A-WRR-102025 (400-284499-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93B-WRR-102025 (400-284499-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The method blank for preparation batch 400-727811 and analytical batch 400-728176 contained Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93A-WRR-102025 (400-284499-3) and P93B-WRR-102025 (400-284499-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284499-1	TB-WRR-102025-SS	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284499-2	P93C-WRR-102025	Water	10/20/25 09:40	10/21/25 09:55	Illinois
400-284499-3	P93A-WRR-102025	Water	10/20/25 10:55	10/21/25 09:55	Illinois
400-284499-4	P93B-WRR-102025	Water	10/20/25 11:45	10/21/25 09:55	Illinois
400-284499-5	P93D-WRR-102025	Water	10/20/25 12:20	10/21/25 09:55	Illinois

Detection Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Client Sample ID: TB-WRR-102025-SS — Lab Sample ID: 400-284499-1

No Detections.

Client Sample ID: P93C-WRR-102025 — Lab Sample ID: 400-284499-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.86	J	1.0	0.50	ug/L	1		8260D	Total/NA
Barium, Dissolved	69		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P93A-WRR-102025 — Lab Sample ID: 400-284499-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48000		200	100	ug/L	200		8260D	Total/NA
2-Methylnaphthalene	0.18	J	0.20	0.077	ug/L	1		8270E	Total/NA
Phenol - DL	240	B	100	6.8	ug/L	10		8270E	Total/NA
Arsenic, Dissolved	9.7	J	10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	250		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P93B-WRR-102025 — Lab Sample ID: 400-284499-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	600000		5000	2500	ug/L	5000		8260D	Total/NA
2-Methylnaphthalene	0.12	J	0.20	0.078	ug/L	1		8270E	Total/NA
Phenol - DL	180	B	100	6.9	ug/L	10		8270E	Total/NA
Arsenic, Dissolved	46		10	3.7	ug/L	1		6010D	Dissolved
Barium, Dissolved	350		10	1.2	ug/L	1		6010D	Dissolved

Client Sample ID: P93D-WRR-102025 — Lab Sample ID: 400-284499-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	290		10	1.2	ug/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-WRR-102025-SS

Lab Sample ID: 400-284499-1

Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 15:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 15:59	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:59	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:59	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/28/25 15:59*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/28/25 15:59*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*10/28/25 15:59*	*1*

Client Sample ID: P93C-WRR-102025

Lab Sample ID: 400-284499-2

Date Collected: 10/20/25 09:40
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.86**	**J**	1.0	0.50	ug/L			10/30/25 20:32	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 20:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 20:32	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 20:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 20:32	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/30/25 20:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/30/25 20:32*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*10/30/25 20:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:27	10/26/25 15:57	1
Phenol	ND		10	0.68	ug/L		10/23/25 09:27	10/26/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*63*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Terphenyl-d14	*52*		*43 - 147*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:06	10/30/25 02:52	1
Barium, Dissolved	**69**		10	1.2	ug/L		10/25/25 07:06	10/30/25 02:52	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:06	10/30/25 02:52	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:06	10/30/25 02:52	1

Client Sample ID: P93C-WRR-102025
Lab Sample ID: 400-284499-2
Date Collected: 10/20/25 09:40
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:06	10/30/25 02:52	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:06	10/30/25 02:52	1

Client Sample ID: P93A-WRR-102025
Lab Sample ID: 400-284499-3
Date Collected: 10/20/25 10:55
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**48000**		200	100	ug/L			10/28/25 19:20	200
Toluene	ND		200	180	ug/L			10/28/25 19:20	200
Ethylbenzene	ND		200	100	ug/L			10/28/25 19:20	200
Xylenes, Total	ND		2000	1200	ug/L			10/28/25 19:20	200
o-Xylene	ND		1000	600	ug/L			10/28/25 19:20	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			10/28/25 19:20	200
Naphthalene	ND		1000	600	ug/L			10/28/25 19:20	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/28/25 19:20*	*200*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 19:20*	*200*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 19:20*	*200*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**0.18**	**J**	0.20	0.077	ug/L		10/23/25 09:27	10/26/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*79*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Terphenyl-d14	*48*		*43 - 147*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2,4,6-Tribromophenol	*93*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2-Fluorophenol	*85*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Nitrobenzene-d5	*70*		*50 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**240**	**B**	100	6.8	ug/L		10/23/25 09:27	10/28/25 18:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*82*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:15*	*10*
2,4,6-Tribromophenol	*83*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:15*	*10*
2-Fluorophenol	*90*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:15*	*10*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**9.7**	**J**	10	3.7	ug/L		10/25/25 07:06	10/30/25 03:28	1
Barium, Dissolved	**250**		10	1.2	ug/L		10/25/25 07:06	10/30/25 03:28	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:06	10/30/25 03:28	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:06	10/30/25 03:28	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:06	10/30/25 03:28	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:06	10/30/25 03:28	1

Client Sample ID: P93B-WRR-102025

Lab Sample ID: 400-284499-4

Date Collected: 10/20/25 11:45

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**600000**		5000	2500	ug/L			10/30/25 21:22	5000
Toluene	ND		5000	4500	ug/L			10/30/25 21:22	5000
Ethylbenzene	ND		5000	2500	ug/L			10/30/25 21:22	5000
Xylenes, Total	ND		50000	30000	ug/L			10/30/25 21:22	5000
o-Xylene	ND		25000	15000	ug/L			10/30/25 21:22	5000
m-Xylene & p-Xylene	ND		25000	15000	ug/L			10/30/25 21:22	5000
Naphthalene	ND		25000	15000	ug/L			10/30/25 21:22	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/30/25 21:22*	*5000*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 21:22*	*5000*
Toluene-d8 (Surr)	*93*		*64 - 132*		*10/30/25 21:22*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**0.12**	**J**	0.20	0.078	ug/L		10/23/25 09:27	10/26/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*77*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Terphenyl-d14	*57*		*43 - 147*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2-Fluorophenol	*84*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Nitrobenzene-d5	*76*		*50 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**180**	**B**	100	6.9	ug/L		10/23/25 09:27	10/28/25 18:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*83*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:45*	*10*
2,4,6-Tribromophenol	*83*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:45*	*10*
2-Fluorophenol	*90*		*10 - 150*	*10/23/25 09:27*	*10/28/25 18:45*	*10*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**46**		10	3.7	ug/L		10/25/25 07:06	10/30/25 03:32	1
Barium, Dissolved	**350**		10	1.2	ug/L		10/25/25 07:06	10/30/25 03:32	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:06	10/30/25 03:32	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:06	10/30/25 03:32	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:06	10/30/25 03:32	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:06	10/30/25 03:32	1

Client Sample ID: P93D-WRR-102025

Lab Sample ID: 400-284499-5

Date Collected: 10/20/25 12:20

Matrix: Water

Date Received: 10/21/25 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 16:24	1

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Client Sample ID: P93D-WRR-102025

Date Collected: 10/20/25 12:20
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284499-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 16:24	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:24	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/28/25 16:24*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*10/28/25 16:24*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 16:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/23/25 09:27	10/26/25 17:28	1
Phenol	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*49*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Terphenyl-d14	*62*		*43 - 147*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2-Fluorophenol	*65*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:06	10/30/25 03:37	1
Barium, Dissolved	**290**		10	1.2	ug/L		10/25/25 07:06	10/30/25 03:37	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:06	10/30/25 03:37	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:06	10/30/25 03:37	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:06	10/30/25 03:37	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:06	10/30/25 03:37	1

Definitions/Glossary

Client: AECOM
Job ID: 400-284499-1
Project/Site: REFINERY 2H Semiannual

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Client Sample ID: TB-WRR-102025-SS
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284499-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728415	RSG	EET PEN	10/28/25 15:59

Client Sample ID: P93C-WRR-102025
Date Collected: 10/20/25 09:40
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284499-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728746	CAR	EET PEN	10/30/25 20:32
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728220	JAW	EET PEN	10/26/25 15:57
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728221	JAW	EET PEN	10/26/25 15:57
Dissolved	Prep	3005A			840016	BDE	EET CHI	10/25/25 07:06 - 10/25/25 13:06 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 02:52

Client Sample ID: P93A-WRR-102025
Date Collected: 10/20/25 10:55
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284499-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		200	728415	RSG	EET PEN	10/28/25 19:20
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728220	JAW	EET PEN	10/26/25 16:27
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728221	JAW	EET PEN	10/26/25 16:27
Total/NA	Prep	3511	DL		727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E	DL	10	728433	UI	EET PEN	10/28/25 18:15
Dissolved	Prep	3005A			840016	BDE	EET CHI	10/25/25 07:06 - 10/25/25 13:06 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 03:28

Client Sample ID: P93B-WRR-102025
Date Collected: 10/20/25 11:45
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284499-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5000	728746	CAR	EET PEN	10/30/25 21:22
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728220	JAW	EET PEN	10/26/25 16:57
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728221	JAW	EET PEN	10/26/25 16:57
Total/NA	Prep	3511	DL		727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E	DL	10	728433	UI	EET PEN	10/28/25 18:45
Dissolved	Prep	3005A			840016	BDE	EET CHI	10/25/25 07:06 - 10/25/25 13:06 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 03:32

Lab Chronicle

Client: AECOM
Job ID: 400-284499-1
Project/Site: REFINERY 2H Semiannual

Client Sample ID: P93D-WRR-102025
Lab Sample ID: 400-284499-5

Date Collected: 10/20/25 12:20
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728415	RSG	EET PEN	10/28/25 16:24
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728220	JAW	EET PEN	10/26/25 17:28
Total/NA	Prep	3511			727811	RAW	EET PEN	10/23/25 09:27
Total/NA	Analysis	8270E		1	728221	JAW	EET PEN	10/26/25 17:28
Dissolved	Prep	3005A			840016	BDE	EET CHI	10/25/25 07:06 - 10/25/25 13:06 [1]
Dissolved	Analysis	6010D		1	840818	SJ	EET CHI	10/30/25 03:37

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Surrogate Summary

Client: AECOM
Project/Site: REFINERY 2H Semiannual

Job ID: 400-284499-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284499-1	TB-WRR-102025-SS	106	101	94
400-284499-2	P93C-WRR-102025	101	103	94
400-284499-3	P93A-WRR-102025	106	102	95
400-284499-4	P93B-WRR-102025	99	98	93
400-284499-5	P93D-WRR-102025	102	104	95
400-284691-B-1 MS	Matrix Spike	107	99	93
400-284691-B-1 MSD	Matrix Spike Duplicate	107	104	93
400-284749-A-1 MS	Matrix Spike	99	98	89
400-284749-A-1 MSD	Matrix Spike Duplicate	100	99	91
LCS 400-728415/1003	Lab Control Sample	99	101	89
LCS 400-728746/1003	Lab Control Sample	103	104	92
MB 400-728415/5	Method Blank	101	102	95
MB 400-728746/5	Method Blank	113	100	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPHL	FBP	TBP	2FP	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(43-147)	(15-150)	(10-150)	(10-150)	(50-150)
400-284493-D-2-B MS	Matrix Spike	83	46	77	88	85	85
400-284493-D-2-C MSD	Matrix Spike Duplicate	87	46	81	93	85	83
400-284499-2	P93C-WRR-102025	63	52	72	82	75	75
400-284499-3	P93A-WRR-102025	79	48	69	93	85	70
400-284499-3 - DL	P93A-WRR-102025	82			83	90	
400-284499-4	P93B-WRR-102025	77	57	69	86	84	76
400-284499-4 - DL	P93B-WRR-102025	83			83	90	
400-284499-5	P93D-WRR-102025	49	62	78	90	65	81
LCS 400-727811/2-A	Lab Control Sample	82	74	70	87	87	72
MB 400-727811/1-A	Method Blank		77	70			74

Surrogate Legend

PHL = Phenol-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

GC/MS VOA

Analysis Batch: 728415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-1	TB-WRR-102025-SS	Total/NA	Water	8260D	
400-284499-3	P93A-WRR-102025	Total/NA	Water	8260D	
400-284499-5	P93D-WRR-102025	Total/NA	Water	8260D	
MB 400-728415/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728415/1003	Lab Control Sample	Total/NA	Water	8260D	
400-284749-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-284749-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 728746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Total/NA	Water	8260D	
400-284499-4	P93B-WRR-102025	Total/NA	Water	8260D	
MB 400-728746/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728746/1003	Lab Control Sample	Total/NA	Water	8260D	
400-284691-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-284691-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Total/NA	Water	3511	
400-284499-3 - DL	P93A-WRR-102025	Total/NA	Water	3511	
400-284499-3	P93A-WRR-102025	Total/NA	Water	3511	
400-284499-4	P93B-WRR-102025	Total/NA	Water	3511	
400-284499-4 - DL	P93B-WRR-102025	Total/NA	Water	3511	
400-284499-5	P93D-WRR-102025	Total/NA	Water	3511	
MB 400-727811/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	3511	
400-284493-D-2-B MS	Matrix Spike	Total/NA	Water	3511	
400-284493-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Total/NA	Water	8270E	727811
400-284499-3	P93A-WRR-102025	Total/NA	Water	8270E	727811
400-284499-4	P93B-WRR-102025	Total/NA	Water	8270E	727811
400-284499-5	P93D-WRR-102025	Total/NA	Water	8270E	727811

Analysis Batch: 728221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Total/NA	Water	8270E	727811

GC/MS Semi VOA (Continued)

Analysis Batch: 728221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-3	P93A-WRR-102025	Total/NA	Water	8270E	727811
400-284499-4	P93B-WRR-102025	Total/NA	Water	8270E	727811
400-284499-5	P93D-WRR-102025	Total/NA	Water	8270E	727811

Analysis Batch: 728226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-D-2-B MS	Matrix Spike	Total/NA	Water	8270E	727811
400-284493-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	727811

Analysis Batch: 728227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284493-D-2-B MS	Matrix Spike	Total/NA	Water	8270E	727811
400-284493-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	727811

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-3 - DL	P93A-WRR-102025	Total/NA	Water	8270E	727811
400-284499-4 - DL	P93B-WRR-102025	Total/NA	Water	8270E	727811

Metals

Prep Batch: 840016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Dissolved	Water	3005A	
400-284499-3	P93A-WRR-102025	Dissolved	Water	3005A	
400-284499-4	P93B-WRR-102025	Dissolved	Water	3005A	
400-284499-5	P93D-WRR-102025	Dissolved	Water	3005A	
MB 500-840016/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-840016/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284499-2 MS	P93C-WRR-102025	Dissolved	Water	3005A	
400-284499-2 MSD	P93C-WRR-102025	Dissolved	Water	3005A	
400-284499-2 DU	P93C-WRR-102025	Dissolved	Water	3005A	

Analysis Batch: 840818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284499-2	P93C-WRR-102025	Dissolved	Water	6010D	840016
400-284499-3	P93A-WRR-102025	Dissolved	Water	6010D	840016
400-284499-4	P93B-WRR-102025	Dissolved	Water	6010D	840016
400-284499-5	P93D-WRR-102025	Dissolved	Water	6010D	840016
MB 500-840016/1-A	Method Blank	Total Recoverable	Water	6010D	840016
LCS 500-840016/2-A	Lab Control Sample	Total Recoverable	Water	6010D	840016
400-284499-2 MS	P93C-WRR-102025	Dissolved	Water	6010D	840016
400-284499-2 MSD	P93C-WRR-102025	Dissolved	Water	6010D	840016
400-284499-2 DU	P93C-WRR-102025	Dissolved	Water	6010D	840016

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 10:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/28/25 10:14*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 10:14*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 10:14*	*1*

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	55.6		ug/L		111	70 - 130		
Toluene			50.0	46.7		ug/L		93	70 - 130		
Ethylbenzene			50.0	50.4		ug/L		101	70 - 130		
Xylenes, Total			100	98.1		ug/L		98	70 - 130		
o-Xylene			50.0	49.4		ug/L		99	70 - 130		
m-Xylene & p-Xylene			50.0	48.7		ug/L		97	70 - 130		
Naphthalene			50.0	44.5		ug/L		89	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: 400-284749-A-1 MS
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	70.7		ug/L		141	56 - 142		
Toluene	ND		50.0	57.3		ug/L		115	65 - 130		
Ethylbenzene	ND		50.0	59.6		ug/L		119	58 - 131		
Xylenes, Total	ND		100	116		ug/L		116	59 - 130		
o-Xylene	ND		50.0	58.0		ug/L		116	61 - 130		
m-Xylene & p-Xylene	ND		50.0	57.6		ug/L		115	57 - 130		
Naphthalene	ND		50.0	49.5		ug/L		99	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-284749-A-1 MS
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: 400-284749-A-1 MSD
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	58.1		ug/L		116	56 - 142	20	30
Toluene	ND		50.0	46.7		ug/L		93	65 - 130	20	30
Ethylbenzene	ND		50.0	46.1		ug/L		92	58 - 131	26	30
Xylenes, Total	ND		100	88.7		ug/L		89	59 - 130	26	30
o-Xylene	ND		50.0	45.1		ug/L		90	61 - 130	25	30
m-Xylene & p-Xylene	ND		50.0	43.6		ug/L		87	57 - 130	28	30
Naphthalene	ND		50.0	45.7		ug/L		91	25 - 150	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*91*		*64 - 132*

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 12:20	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/30/25 12:20*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 12:20*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*10/30/25 12:20*	*1*

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	57.6		ug/L		115	70 - 130		
Toluene			50.0	48.5		ug/L		97	70 - 130		
Ethylbenzene			50.0	54.0		ug/L		108	70 - 130		
Xylenes, Total			100	107		ug/L		107	70 - 130		
o-Xylene			50.0	52.8		ug/L		106	70 - 130		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	54.2		ug/L		108	70 - 130		
Naphthalene			50.0	53.0		ug/L		106	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-284691-B-1 MS
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		50.0	53.6		ug/L		107	56 - 142		
Toluene	ND		50.0	47.0		ug/L		94	65 - 130		
Ethylbenzene	ND		50.0	51.0		ug/L		102	58 - 131		
Xylenes, Total	ND		100	101		ug/L		101	59 - 130		
o-Xylene	ND		50.0	50.1		ug/L		100	61 - 130		
m-Xylene & p-Xylene	ND		50.0	50.6		ug/L		101	57 - 130		
Naphthalene	ND		50.0	47.1		ug/L		94	25 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: 400-284691-B-1 MSD
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		50.0	62.7		ug/L		125	56 - 142	16	30
Toluene	ND		50.0	53.5		ug/L		107	65 - 130	13	30
Ethylbenzene	ND		50.0	57.9		ug/L		116	58 - 131	13	30
Xylenes, Total	ND		100	115		ug/L		115	59 - 130	13	30
o-Xylene	ND		50.0	57.1		ug/L		114	61 - 130	13	30
m-Xylene & p-Xylene	ND		50.0	57.9		ug/L		116	57 - 130	13	30
Naphthalene	ND		50.0	55.4		ug/L		111	25 - 150	16	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:26	10/25/25 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*43 - 147*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene			33.3	22.6		ug/L		68	24 - 150		
Phenol			33.3	31.2		ug/L		93	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*74*		*43 - 147*
2,4,6-Tribromophenol	*87*		*10 - 150*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*72*		*50 - 150*

Lab Sample ID: 400-284493-D-2-B MS
Matrix: Water
Analysis Batch: 728226

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylnaphthalene	ND		33.3	27.5		ug/L		82	50 - 150		
Phenol	1.4	J B	33.3	32.5		ug/L		93	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d5	*83*		*10 - 150*
Terphenyl-d14	*46*		*43 - 147*
2,4,6-Tribromophenol	*88*		*10 - 150*
2-Fluorobiphenyl	*77*		*15 - 150*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*

Lab Sample ID: 400-284493-D-2-C MSD
Matrix: Water
Analysis Batch: 728226

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		33.9	27.0		ug/L		80	50 - 150	2	40
Phenol	1.4	J B	33.9	34.1		ug/L		96	50 - 150	5	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-284493-D-2-C MSD
Matrix: Water
Analysis Batch: 728227

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 727811

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*46*		*43 - 147*
2,4,6-Tribromophenol	*93*		*10 - 150*
2-Fluorobiphenyl	*81*		*15 - 150*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-840016/1-A
Matrix: Water
Analysis Batch: 840818

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 840016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		10	3.7	ug/L		10/25/25 07:06	10/30/25 02:43	1
Barium, Dissolved	ND		10	1.2	ug/L		10/25/25 07:06	10/30/25 02:43	1
Cobalt, Dissolved	ND		5.0	0.78	ug/L		10/25/25 07:06	10/30/25 02:43	1
Nickel, Dissolved	ND		10	4.8	ug/L		10/25/25 07:06	10/30/25 02:43	1
Lead, Dissolved	ND		5.0	2.7	ug/L		10/25/25 07:06	10/30/25 02:43	1
Vanadium, Dissolved	ND		5.0	0.92	ug/L		10/25/25 07:06	10/30/25 02:43	1

Lab Sample ID: LCS 500-840016/2-A
Matrix: Water
Analysis Batch: 840818

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 840016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	100	85.7		ug/L		86	80 - 120
Barium, Dissolved	500	447		ug/L		89	80 - 120
Cobalt, Dissolved	500	468		ug/L		94	80 - 120
Nickel, Dissolved	500	455		ug/L		91	80 - 120
Lead, Dissolved	100	97.1		ug/L		97	80 - 120
Vanadium, Dissolved	500	446		ug/L		89	80 - 120

Lab Sample ID: 400-284499-2 MS
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P93C-WRR-102025
Prep Type: Dissolved
Prep Batch: 840016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	ND		100	89.0		ug/L		89	75 - 125
Barium, Dissolved	69		500	518		ug/L		90	75 - 125
Cobalt, Dissolved	ND		500	482		ug/L		96	75 - 125
Nickel, Dissolved	ND		500	470		ug/L		94	75 - 125
Lead, Dissolved	ND		100	100		ug/L		100	75 - 125
Vanadium, Dissolved	ND		500	453		ug/L		91	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-284499-2 MSD
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P93C-WRR-102025
Prep Type: Dissolved
Prep Batch: 840016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	ND		100	87.7		ug/L		88	75 - 125	2	20
Barium, Dissolved	69		500	526		ug/L		91	75 - 125	2	20
Cobalt, Dissolved	ND		500	484		ug/L		97	75 - 125	0	20
Nickel, Dissolved	ND		500	472		ug/L		94	75 - 125	0	20
Lead, Dissolved	ND		100	100		ug/L		100	75 - 125	0	20
Vanadium, Dissolved	ND		500	457		ug/L		91	75 - 125	1	20

Lab Sample ID: 400-284499-2 DU
Matrix: Water
Analysis Batch: 840818

Client Sample ID: P93C-WRR-102025
Prep Type: Dissolved
Prep Batch: 840016

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	ND			ND		ug/L				NC	20
Barium, Dissolved	69			69.1		ug/L				0.3	20
Cobalt, Dissolved	ND			ND		ug/L				NC	20
Nickel, Dissolved	ND			ND		ug/L				NC	20
Lead, Dissolved	ND			ND		ug/L				NC	20
Vanadium, Dissolved	ND			ND		ug/L				NC	20

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/20/2025
PO #	**GSAP Project ID**	PAGE. ___1___ of ___1___
60771235 – 6 1.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Refinery 2H Semiannual 60771235 – 6.1.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO	E-MAIL:	AECOM Other ID:
100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	WRR 2H25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): M Massa, T Jenkins

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com, brett.howell@aecom.com

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

* Dissolved metals are field filtered.
* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

REQUESTED ANALYSIS
60771235 – 6.1.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	BTEX + N 8260	SVOC 8270 QQQ (Phenol)	PAH 8270 QQQ_LL (2-Methylnapthalene)	Dissolved Metals 6010B (As, Ba, Co, Pb, Ni, Va)	Container PID Readings or Laboratory Notes:	FIELD NOTES:
	TB-WRR-102025-SS	10/20/2025	0000	Water	2					2	X					SPLIT REPORT
	P93C-WRR-102025	10/20/2025	0940	Water	3	1		4		8	X	X	X	X		SPLIT REPORT
	P93A-WRR-102025	10/20/2025	1055	Water	3	1		4		8	X	X	X	X		SPLIT REPORT
	P93B-WRR-102025	10/20/2025	1145	Water	3	1		4		8	X	X	X	X		SPLIT REPORT
	P93D-WRR-102025	10/20/2025	1220	Water	3	1		4		8	X	X	X	X		SPLIT REPORT

400-284499 Chain of Custody

10/20/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time
MARY MASSA	FEDEX. 4744 8092 6565; 4234 9608 5720	10/20/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/21/25	Time: 955
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698052, 2698053, 2698054, 2698055

0.4°C/IR10

0.0°C/IR10

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400 387943 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400 284499 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/30/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708 534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
REFINERY 2H Semiannual	40002213			
Site	**SSOW#**			
N/A	N/A			

Analysis Requested

Preservation Codes:

400-284499 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/FIELD_FLTRDDiss As,Ba,Co,Pb,Ni,Va (2H) (FF) (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P93C WRR-102025 (400-284499-2)	10/20/25	09.40 Central	G	Water			X	1	
P93A-WRR 102025 (400 284499-3)	10/20/25	10.55 Central	G	Water			X	1	
P93B-WRR 102025 (400 284499-4)	10/20/25	11.45 Central	G	Water			X	1	
P93D WRR-102025 (400-284499-5)	10/20/25	12 20 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/22/25 1700		Angel Knot	10/23/25 0905	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
		unchilled

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284499-1

Login Number: 284499
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4°C, 0.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284499-1

Login Number: 284499
List Number: 2
Creator: Knox, Angel

List Source: Eurofins Chicago
List Creation: 10/24/25 07:53 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284499-1
Project/Site: REFINERY 2H Semiannual

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	12-03-25
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	12-03-25
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	108083	12-09-25
Kentucky (WW)	State	KY90023	12-31-26
Louisiana (All)	NELAP	02046	12-07-25
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-09-25
South Carolina	State	77001	12-07-25
USDA	US Federal Programs	525-25-237-16455	08-25-28
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-278794-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/27/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW12-ROX-070725	SVOCs	Phenol-d_5	6	10-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW16-ROX-070725 MS/MSD	VOCs	Acetone	**41/42**	0	43-150/30
MW16-ROX-070725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	10/**0**	NC	10-150/50
MW10-ROX-070725 MS/MSD	VOCs	Acetone	43/**42**	1	43-150/30
MW10-ROX-070725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
MW16-ROX-070725 MS/MSD	SVOCs	Phenol	**151/155**	3	50-150/40
MW16-ROX-070725 MS/MSD	SVOCs	Pyridine	**195/199**	2	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	3 & 4 Methylphenol	146/**156**	6	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	Phenol	**159/157**	1	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	Pyridine	**192/199**	3	50-150/40
MW10-ROX-070725 MS/MSD	PAHs	Pyrene	127/**160**	23	50-150/40

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-070725	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW16-ROX-070725	VOCs	Acetone	**UJ**
MW10-ROX-070725	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW10-ROX-070725	VOCs	Acetone	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715402/2-A	PAHs	Pyrene	**130**	NA	30-126
LCS 400-715402/2-A	SVOCs	Phenol	**152**	NA	10-150

LCS 400-715402/2-A	SVOCs	Pyridine	**187**	NA	10-150

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.		X		The laboratory report was revised on May 19, 2025, to correct sample identifications.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-070725	VOCs	Acrylonitrile	UJ
MW11-ROX-070725	VOCs	Bromoform	UJ
MW11-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW11-ROX-070725	VOCs	Chloroethane	UJ
MW11-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW11-ROX-070725	VOCs	Acrolein	UJ
MW11-ROX-070725	VOCs	Vinyl acetate	UJ
MW12-ROX-070725	VOCs	Acrylonitrile	UJ
MW12-ROX-070725	VOCs	Bromoform	UJ
MW12-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW12-ROX-070725	VOCs	Chloroethane	UJ
MW12-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW12-ROX-070725	VOCs	Acrolein	UJ
MW12-ROX-070725	VOCs	Vinyl acetate	UJ
MW9-ROX-070725	VOCs	Acrylonitrile	UJ
MW9-ROX-070725	VOCs	Bromoform	UJ
MW9-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW9-ROX-070725	VOCs	Chloroethane	UJ
MW9-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW9-ROX-070725	VOCs	Acrolein	UJ
MW9-ROX-070725	VOCs	Vinyl acetate	UJ
MW28-ROX-070725	VOCs	Acrylonitrile	UJ
MW28-ROX-070725	VOCs	Bromoform	UJ
MW28-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW28-ROX-070725	VOCs	Chloroethane	UJ
MW28-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW28-ROX-070725	VOCs	Acrolein	UJ
MW28-ROX-070725	VOCs	Vinyl acetate	UJ
MW16-ROX-070725	VOCs	Acrylonitrile	UJ
MW16-ROX-070725	VOCs	Dibromochloromethane	UJ
MW16-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW16-ROX-070725	VOCs	Bromoform	UJ
MW16-ROX-070725	VOCs	Chloroethane	UJ
MW16-ROX-070725	VOCs	Acrolein	UJ
MW10-ROX-070725	VOCs	Acrylonitrile	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

MW10-ROX-070725	VOCs	Dibromochloromethane	UJ
MW10-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW10-ROX-070725	VOCs	Bromoform	UJ
MW10-ROX-070725	VOCs	Chloroethane	UJ
MW10-ROX-070725	VOCs	Acrolein	UJ
MW27-ROX-070725	VOCs	Acrylonitrile	UJ
MW27-ROX-070725	VOCs	Dibromochloromethane	UJ
MW27-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW27-ROX-070725	VOCs	Bromoform	UJ
MW27-ROX-070725	VOCs	Chloroethane	UJ
MW27-ROX-070725	VOCs	Acrolein	UJ

Method 8270E (SVOCs)

The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-070725	SVOCs	Pyridine	UJ
MW16-ROX-070725	SVOCs	Pyridine	UJ
MW12-ROX-070725	SVOCs	Pyridine	UJ
MW9-ROX-070725	SVOCs	Pyridine	UJ
MW10-ROX-070725	SVOCs	Pyridine	UJ
MW28-ROX-070725	SVOCs	Pyridine	UJ
MW27-ROX-070725	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 11:15:21 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278794-1

Reviewed 8/27/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job Narrative
400-278794-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision
Report revised to correct sample IDs. Supersedes report dated 7-22-2025.

Receipt
The samples were received on 7/8/2025 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5°C and 3.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715694 recovered outside acceptance criteria, low biased, for Acrolein, Acrylonitrile, Bromoform, Chloroethane, Chloromethane, Dibromochloromethane, Hexachlorobutadiene, Trichlorofluoromethane and Vinyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-070725-8260-A (400-278794-1), MW11-ROX-070725-EB (400-278794-3), MW11-ROX-070725 (400-278794-4), MW12-ROX-070725 (400-278794-6), TB-ROX-070725-8260-B (400-278794-7), MW9-ROX-070725-EB (400-278794-9), MW9-ROX-070725 (400-278794-10) and MW28-ROX-070725 (400-278794-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-713963 was outside method criteria for the following analyte(s): Chloroethane and Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715867 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715867 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715867 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715867 recovered outside acceptance criteria, low biased, for 1,1,1,2-Tetrachloroethane, Acrolein, Acrylonitrile, Bromoform, Dibromochloromethane and Chloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW16-ROX-070725 (400-278794-5), MW10-ROX-070725 (400-278794-11) and MW27-ROX-070725 (400-278794-13). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715567 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample (LCS) for preparation batch 400-715402 and analytical batch 400-715567 recovered outside control limits for the following analytes: Pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The matrix spike duplicate (MSD) recoveries for preparation batch 400-715402 and analytical batch 400-715567 were outside control limits. Sample matrix interference is suspected.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715568 recovered above the upper control limit for 2,4-Dimethylphenol, 2-Methylphenol, 3 & 4 Methylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-715402 and analytical batch 400-715568 recovered outside control limits for the following analytes: Phenol and Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW12-ROX-070725 (400-278794-6). These results have been reported and qualified.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-715402 and analytical batch 400-715568 were outside control limits. Sample matrix interference is suspected.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278794-1	TB-ROX-070725-8260-A	Water	07/07/25 00:00	07/08/25 09:18
400-278794-2	TB-ROX-070725-8260SIM-A	Water	07/07/25 00:00	07/08/25 09:18
400-278794-3	MW11-ROX-070725-EB	Water	07/07/25 08:10	07/08/25 09:18
400-278794-4	MW11-ROX-070725	Water	07/07/25 10:15	07/08/25 09:18
400-278794-5	MW16-ROX-070725	Water	07/07/25 11:10	07/08/25 09:18
400-278794-6	MW12-ROX-070725	Water	07/07/25 12:25	07/08/25 09:18
400-278794-7	TB-ROX-070725-8260-B	Water	07/07/25 00:00	07/08/25 09:18
400-278794-8	TB-ROX-070725-8260SIM-B	Water	07/07/25 00:00	07/08/25 09:18
400-278794-9	MW9-ROX-070725-EB	Water	07/07/25 08:00	07/08/25 09:18
400-278794-10	MW9-ROX-070725	Water	07/07/25 10:05	07/08/25 09:18
400-278794-11	MW10-ROX-070725	Water	07/07/25 11:15	07/08/25 09:18
400-278794-12	MW28-ROX-070725	Water	07/07/25 12:55	07/08/25 09:18
400-278794-13	MW27-ROX-070725	Water	07/07/25 13:45	07/08/25 09:18

Detection Summary

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070725-8260-A — Lab Sample ID: 400-278794-1

No Detections.

Client Sample ID: TB-ROX-070725-8260SIM-A — Lab Sample ID: 400-278794-2

No Detections.

Client Sample ID: MW11-ROX-070725-EB — Lab Sample ID: 400-278794-3

No Detections.

Client Sample ID: MW11-ROX-070725 — Lab Sample ID: 400-278794-4

No Detections.

Client Sample ID: MW16-ROX-070725 — Lab Sample ID: 400-278794-5

No Detections.

Client Sample ID: MW12-ROX-070725 — Lab Sample ID: 400-278794-6

No Detections.

Client Sample ID: TB-ROX-070725-8260-B — Lab Sample ID: 400-278794-7

No Detections.

Client Sample ID: TB-ROX-070725-8260SIM-B — Lab Sample ID: 400-278794-8

No Detections.

Client Sample ID: MW9-ROX-070725-EB — Lab Sample ID: 400-278794-9

No Detections.

Client Sample ID: MW9-ROX-070725 — Lab Sample ID: 400-278794-10

No Detections.

Client Sample ID: MW10-ROX-070725 — Lab Sample ID: 400-278794-11

No Detections.

Client Sample ID: MW28-ROX-070725 — Lab Sample ID: 400-278794-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.37	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW27-ROX-070725 — Lab Sample ID: 400-278794-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:36	1
Acrolein	ND		20	3.3	ug/L			07/11/25 14:36	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 14:36	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 14:36	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:36	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:36	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 14:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:36	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:36	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:36	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:36	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 14:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:36	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 14:36	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:36	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:36	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 14:36	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:36	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:36	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:36	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:36	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:36	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:36	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:36	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 14:36	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 14:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:36	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 14:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 14:36*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 14:36*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 14:36*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260SIM-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 20:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 20:02*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 20:02*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 20:02*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB

Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 20:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 20:25*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 20:25*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 20:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:58	1
Acrolein	ND		20	3.3	ug/L			07/11/25 14:58	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 14:58	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:58	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:58	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 14:58	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:58	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:58	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:58	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:58	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 14:58	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:58	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:58	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:58	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 14:58	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:58	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:58	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:58	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:58	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:58	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:58	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 14:58	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:58	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:58	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:58	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:58	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB
Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 14:58	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:58	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:58	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:58	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:58	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:58	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:58	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:58	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:58	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:58	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:58	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 14:58	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 14:58	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:58	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 14:58	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 14:58*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/11/25 14:58*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 14:58*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 18:22	1
Aniline	ND		9.8	0.73	ug/L		07/08/25 07:00	07/10/25 18:22	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzenethiol	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 18:22	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzoic acid	ND		98	79	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzyl alcohol	ND		34	30	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 18:22	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB
Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 18:22	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/08/25 07:00	07/10/25 18:22	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 18:22	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/08/25 07:00	07/10/25 18:22	1
Fluoranthene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 18:22	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/08/25 07:00	07/10/25 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 18:22	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/08/25 07:00	07/10/25 18:22	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 18:22	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/08/25 07:00	07/10/25 18:22	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/08/25 07:00	07/10/25 18:22	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/08/25 07:00	07/10/25 18:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/08/25 07:00	07/10/25 18:22	1
Indene	ND		9.8	0.43	ug/L		07/08/25 07:00	07/10/25 18:22	1
Isophorone	ND		9.8	0.79	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Methylphenol	ND		9.8	0.75	ug/L		07/08/25 07:00	07/10/25 18:22	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/08/25 07:00	07/10/25 18:22	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/08/25 07:00	07/10/25 18:22	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/08/25 07:00	07/10/25 18:22	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/08/25 07:00	07/10/25 18:22	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB
Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/08/25 07:00	07/10/25 18:22	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/08/25 07:00	07/10/25 18:22	1
Phenol	ND	*+	9.8	0.67	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pyridine	ND	*+	9.8	3.0	ug/L		07/08/25 07:00	07/10/25 18:22	1
Quinoline	ND		9.8	0.49	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/08/25 07:00	07/10/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2-Fluorobiphenyl	*83*		*25 - 139*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Phenol-d5	*107*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725

Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 21:12*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 21:12*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 21:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 15:20	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 15:20	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 15:20	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 15:20	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 15:20	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 15:20	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 15:20	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 15:20	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 15:20	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 15:20	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 15:20	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 15:20	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 15:20	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 15:20	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 15:20	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 15:20	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 15:20	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 15:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 15:20	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 15:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 15:20	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 15:20	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 15:20	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 15:20	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 15:20	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 15:20	1

Client Sample ID: MW11-ROX-070725
Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 15:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 15:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 15:20	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 15:20	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 15:20	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 15:20	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 15:20	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 15:20	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 15:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 15:20	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 15:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 15:20	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 15:20	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 15:20	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 15:20	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 15:20	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 15:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 15:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 15:20	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 15:20	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 15:20*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 15:20*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 15:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 18:58	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 18:58	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 18:58	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 18:58	1

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW11-ROX-070725
Lab Sample ID: 400-278794-4
Date Collected: 07/07/25 10:15
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 18:58	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 18:58	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:58	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 18:58	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 18:58	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 18:58	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 18:58	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 18:58	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 18:58	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 18:58	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 18:58	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 18:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 18:58	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 18:58	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 18:58	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 18:58	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 18:58	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 18:58	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 18:58	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725
Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 18:58	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 18:58	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2-Fluorobiphenyl	*85*		*25 - 139*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2-Fluorophenol	*106*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Phenol-d5	*113*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 15:45	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/14/25 15:45*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 15:45*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/14/25 15:45*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 UJ	25	10	ug/L			07/14/25 09:42	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 09:42	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 09:42	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 09:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 09:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 09:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 09:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 09:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 09:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 09:42	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 09:42	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 09:42	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 09:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 09:42	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 09:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 09:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 09:42	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 09:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 09:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 09:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 09:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 09:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 09:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 09:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 09:42	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 09:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 09:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 09:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 09:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 09:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 09:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 09:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 09:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 09:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 09:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 09:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 09:42	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 09:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 09:42	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 09:42	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 09:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 09:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 09:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 09:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 09:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 09:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 09:42	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 09:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 09:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 09:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 09:42	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 09:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/14/25 09:42*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/14/25 09:42*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*07/14/25 09:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 19:34	1
Aniline	ND		9.8	0.73	ug/L		07/08/25 07:00	07/10/25 19:34	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzenethiol	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 19:34	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzoic acid	ND		98	79	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzyl alcohol	ND		34	30	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 19:34	1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 19:34	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/08/25 07:00	07/10/25 19:34	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 19:34	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/08/25 07:00	07/10/25 19:34	1
Fluoranthene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 19:34	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/08/25 07:00	07/10/25 19:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 19:34	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/08/25 07:00	07/10/25 19:34	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 19:34	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/08/25 07:00	07/10/25 19:34	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/08/25 07:00	07/10/25 19:34	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/08/25 07:00	07/10/25 19:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/08/25 07:00	07/10/25 19:34	1
Indene	ND		9.8	0.43	ug/L		07/08/25 07:00	07/10/25 19:34	1
Isophorone	ND		9.8	0.79	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Methylphenol	ND		9.8	0.75	ug/L		07/08/25 07:00	07/10/25 19:34	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/08/25 07:00	07/10/25 19:34	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/08/25 07:00	07/10/25 19:34	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/08/25 07:00	07/10/25 19:34	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/08/25 07:00	07/10/25 19:34	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/08/25 07:00	07/10/25 19:34	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/08/25 07:00	07/10/25 19:34	1
Phenol	ND	F1 *+	9.8	0.67	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pyridine	ND	F1 *+ UJ	9.8	3.0	ug/L		07/08/25 07:00	07/10/25 19:34	1
Quinoline	ND		9.8	0.49	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/08/25 07:00	07/10/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Terphenyl-d14	*49*		*43 - 147*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Phenol-d5	*108*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Terphenyl-d14	*49*		*28 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725

Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 21:35*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 21:35*	*1*
4-Bromofluorobenzene	*99*		*50 - 150*		*07/11/25 21:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 15:42	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 15:42	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 15:42	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 15:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 15:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 15:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 15:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 15:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 15:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 15:42	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 15:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 15:42	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 15:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 15:42	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 15:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 15:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 15:42	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 15:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 15:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 15:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 15:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 15:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 15:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 15:42	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 15:42	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 15:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 15:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 15:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 15:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 15:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 15:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 15:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 15:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 15:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 15:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 15:42	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 15:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 15:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 15:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 15:42	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 15:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 15:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 15:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 15:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 15:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 15:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 15:42	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 15:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 15:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 15:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 15:42	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 15:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 15:42*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 15:42*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 15:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 21:21	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 21:21	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:21	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:21	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 21:21	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 21:21	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 21:21	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 21:21	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:21	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 21:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:21	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 21:21	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 21:21	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 21:21	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 21:21	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/08/25 07:00	07/10/25 21:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 21:21	1
Indene	ND		9.9	0.43	ug/L		07/08/25 07:00	07/10/25 21:21	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 21:21	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 21:21	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 21:21	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 21:21	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 21:21	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 21:21	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 21:21	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 21:21	1
Quinoline	ND		9.9	0.49	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2-Fluorophenol	*11*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Nitrobenzene-d5	*90*		*22 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Phenol-d5	*6*	*S1-*	*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2,4,6-Tribromophenol	*32*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-B
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:04	1
Acrolein	ND		20	3.3	ug/L			07/11/25 16:04	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 16:04	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 16:04	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:04	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:04	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 16:04	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:04	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:04	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:04	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:04	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:04	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 16:04	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:04	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:04	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:04	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:04	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:04	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-B
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:04	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:04	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:04	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:04	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:04	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:04	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 16:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:04	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 16:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/11/25 16:04*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 16:04*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 16:04*	*1*

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070725-8260SIM-B
Lab Sample ID: 400-278794-8
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:59	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 21:59*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 21:59*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 21:59*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB

Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 22:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 22:22*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 22:22*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 22:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:26	1
Acrolein	ND		20	3.3	ug/L			07/11/25 16:26	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 16:26	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 16:26	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:26	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 16:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:26	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:26	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:26	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 16:26	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:26	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:26	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:26	1

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW9-ROX-070725-EB
Lab Sample ID: 400-278794-9
Date Collected: 07/07/25 08:00
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:26	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:26	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:26	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:26	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:26	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:26	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:26	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:26	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:26	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 16:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:26	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 16:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 16:26*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 16:26*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 16:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 21:57	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 21:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:57	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB
Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 21:57	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 21:57	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:57	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 21:57	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:57	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 21:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:57	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 21:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 21:57	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 21:57	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 21:57	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 21:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 21:57	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 21:57	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 21:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 21:57	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 21:57	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 21:57	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 21:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB
Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 21:57	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 21:57	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pyridine	ND	*+	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Phenol-d5	*110*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725

Date Collected: 07/07/25 10:05
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-10

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 22:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 22:46*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 22:46*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 22:46*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:48	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 16:48	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 16:48	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 16:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:48	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 16:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:48	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:48	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 16:48	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:48	1

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW9-ROX-070725
Lab Sample ID: 400-278794-10
Date Collected: 07/07/25 10:05
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:48	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:48	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:48	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 16:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:48	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 16:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 16:48*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 16:48*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 16:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 22:32	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 22:32	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 22:32	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 22:32	1

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW9-ROX-070725
Lab Sample ID: 400-278794-10
Date Collected: 07/07/25 10:05
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 22:32	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 22:32	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 22:32	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 22:32	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 22:32	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 22:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 22:32	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 22:32	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 22:32	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 22:32	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 22:32	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 22:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 22:32	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 22:32	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 22:32	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 22:32	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 22:32	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 22:32	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 22:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725
Date Collected: 07/07/25 10:05
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 22:32	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 22:32	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Phenol-d5	*109*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725

Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 16:08	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 16:08*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 16:08*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 16:08*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 UJ	25	10	ug/L			07/14/25 10:04	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 10:04	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 10:04	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 10:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 10:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 10:04	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 10:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 10:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 10:04	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 10:04	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 10:04	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 10:04	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 10:04	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 10:04	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 10:04	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 10:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 10:04	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 10:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 10:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 10:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 10:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 10:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 10:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 10:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 10:04	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 10:04	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 10:04	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 10:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 10:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 10:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 10:04	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 10:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 10:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 10:04	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 10:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 10:04	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 10:04	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 10:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 10:04	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 10:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 10:04	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 10:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 10:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 10:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 10:04	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 10:04	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 10:04	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 10:04	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 10:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 10:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 10:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 10:04	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 10:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*07/14/25 10:04*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/14/25 10:04*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/14/25 10:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/10/25 23:08	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/10/25 23:08	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 23:08	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 23:08	1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/10/25 23:08	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/10/25 23:08	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 23:08	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/10/25 23:08	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 23:08	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/10/25 23:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 23:08	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/10/25 23:08	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 23:08	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pyrene	ND	*+ F1	0.20	0.095	ug/L		07/08/25 07:00	07/10/25 23:08	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/10/25 23:08	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/10/25 23:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/10/25 23:08	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/10/25 23:08	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/10/25 23:08	1
3 & 4 Methylphenol	ND	F1	20	4.6	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/10/25 23:08	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/10/25 23:08	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/10/25 23:08	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/10/25 23:08	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/10/25 23:08	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/10/25 23:08	1
Phenol	ND	F1 *+	10	0.68	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pyridine	ND	F1 *+ UJ	10	3.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/10/25 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2-Fluorobiphenyl	*85*		*25 - 139*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Phenol-d5	*113*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2,4,6-Tribromophenol	*84*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725

Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 23:09	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 23:09*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 23:09*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/11/25 23:09*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 17:10	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 17:10	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 17:10	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 17:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 17:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 17:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 17:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 17:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 17:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 17:10	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 17:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 17:10	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 17:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 17:10	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 17:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 17:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 17:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 17:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 17:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 17:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 17:10	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 17:10	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 17:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 17:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 17:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 17:10	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725
Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.37**	**J**	1.0	0.22	ug/L			07/11/25 17:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 17:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 17:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 17:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 17:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 17:10	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 17:10	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 17:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 17:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 17:10	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 17:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 17:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 17:10	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 17:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 17:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 17:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 17:10	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 17:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 17:10*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 17:10*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 17:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.082	ug/L		07/09/25 10:59	07/11/25 00:54	1
Aniline	ND		9.6	0.71	ug/L		07/09/25 10:59	07/11/25 00:54	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzenethiol	ND		9.6	0.58	ug/L		07/09/25 10:59	07/11/25 00:54	1
Anthracene	ND		0.19	0.070	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzoic acid	ND		96	77	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-chloroethoxy)methane	ND		9.6	0.33	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/09/25 10:59	07/11/25 00:54	1

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW28-ROX-070725
Lab Sample ID: 400-278794-12
Date Collected: 07/07/25 12:55
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 10:59	07/11/25 00:54	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/09/25 10:59	07/11/25 00:54	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 10:59	07/11/25 00:54	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/09/25 10:59	07/11/25 00:54	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/09/25 10:59	07/11/25 00:54	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/09/25 10:59	07/11/25 00:54	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 10:59	07/11/25 00:54	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenz[a,h]acridine	ND		9.6	0.67	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenzofuran	ND		9.6	0.62	ug/L		07/09/25 10:59	07/11/25 00:54	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 10:59	07/11/25 00:54	1
Phenanthrene	ND		0.19	0.042	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pyrene	ND	*+	0.19	0.092	ug/L		07/09/25 10:59	07/11/25 00:54	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/09/25 10:59	07/11/25 00:54	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/09/25 10:59	07/11/25 00:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/09/25 10:59	07/11/25 00:54	1
Indene	ND		9.6	0.42	ug/L		07/09/25 10:59	07/11/25 00:54	1
Isophorone	ND		9.6	0.77	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/09/25 10:59	07/11/25 00:54	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/09/25 10:59	07/11/25 00:54	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/09/25 10:59	07/11/25 00:54	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/09/25 10:59	07/11/25 00:54	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/09/25 10:59	07/11/25 00:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725
Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/09/25 10:59	07/11/25 00:54	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/09/25 10:59	07/11/25 00:54	1
Phenol	ND	*+	9.6	0.66	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Quinoline	ND		9.6	0.48	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/09/25 10:59	07/11/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Terphenyl-d14	*59*		*43 - 147*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2-Fluorophenol	*112*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Phenol-d5	*120*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Terphenyl-d14	*59*		*28 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2,4,6-Tribromophenol	*105*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW27-ROX-070725

Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 23:32	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 23:32*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/11/25 23:32*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/11/25 23:32*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 14:06	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 14:06	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 14:06	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 14:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 14:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 14:06	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 14:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 14:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 14:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 14:06	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 14:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 14:06	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 14:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 14:06	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 14:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 14:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 14:06	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 14:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 14:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 14:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 14:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 14:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 14:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 14:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 14:06	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 14:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 14:06	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 14:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 14:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 14:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 14:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 14:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 14:06	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 14:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 14:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 14:06	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 14:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 14:06	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 14:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 14:06	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 14:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 14:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 14:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 14:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 14:06	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 14:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 14:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 14:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 14:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 14:06	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 14:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/14/25 14:06*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/14/25 14:06*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*07/14/25 14:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/11/25 12:28	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/11/25 12:28	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/11/25 12:28	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/11/25 12:28	1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/11/25 12:28	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/11/25 12:28	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/11/25 12:28	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/11/25 12:28	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/11/25 12:28	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/11/25 12:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/11/25 12:28	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/11/25 12:28	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/11/25 12:28	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pyrene	ND	*+	0.20	0.095	ug/L		07/08/25 07:00	07/11/25 12:28	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/11/25 12:28	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/11/25 12:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/11/25 12:28	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/11/25 12:28	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/11/25 12:28	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/11/25 12:28	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/11/25 12:28	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/11/25 12:28	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/11/25 12:28	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/11/25 12:28	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/11/25 12:28	1
Phenol	ND	*+	10	0.68	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/11/25 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Terphenyl-d14	*59*		*43 - 147*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2-Fluorobiphenyl	*93*		*25 - 139*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Phenol-d5	*105*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Terphenyl-d14	*59*		*28 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278794-1	TB-ROX-070725-8260-A	99	115	99
400-278794-3	MW11-ROX-070725-EB	99	117	99
400-278794-4	MW11-ROX-070725	101	113	100
400-278794-5	MW16-ROX-070725	98	117	97
400-278794-5 MS	MW16-ROX-070725	108	98	100
400-278794-5 MSD	MW16-ROX-070725	107	97	101
400-278794-6	MW12-ROX-070725	99	114	100
400-278794-7	TB-ROX-070725-8260-B	100	115	101
400-278794-9	MW9-ROX-070725-EB	101	114	101
400-278794-10	MW9-ROX-070725	99	114	99
400-278794-11	MW10-ROX-070725	95	117	96
400-278794-11 MS	MW10-ROX-070725	107	98	99
400-278794-11 MSD	MW10-ROX-070725	109	98	100
400-278794-12	MW28-ROX-070725	99	113	100
400-278794-13	MW27-ROX-070725	99	115	98
LCS 400-715694/1002	Lab Control Sample	108	99	100
LCS 400-715867/1002	Lab Control Sample	105	99	97
MB 400-715694/4	Method Blank	98	113	99
MB 400-715867/4	Method Blank	96	118	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278794-2	TB-ROX-070725-8260SIM-A	106	97	101
400-278794-3	MW11-ROX-070725-EB	107	98	100
400-278794-4	MW11-ROX-070725	106	98	101
400-278794-5	MW16-ROX-070725	104	98	103
400-278794-5 MS	MW16-ROX-070725	105	95	96
400-278794-5 MSD	MW16-ROX-070725	105	97	99
400-278794-6	MW12-ROX-070725	107	97	99
400-278794-8	TB-ROX-070725-8260SIM-B	107	97	101
400-278794-9	MW9-ROX-070725-EB	107	97	100
400-278794-10	MW9-ROX-070725	107	97	100
400-278794-11	MW10-ROX-070725	105	97	101
400-278794-11 MS	MW10-ROX-070725	105	98	99
400-278794-11 MSD	MW10-ROX-070725	104	98	99
400-278794-12	MW28-ROX-070725	106	98	98
400-278794-13	MW27-ROX-070725	107	96	98
LCS 400-715727/1004	Lab Control Sample	101	100	102
LCS 400-715943/1004	Lab Control Sample	95	102	105
MB 400-715727/5	Method Blank	104	99	104
MB 400-715943/6	Method Blank	103	98	105

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278794-3	MW11-ROX-070725-EB	83	83	61	83	98	83	107	61
400-278794-4	MW11-ROX-070725	85	87	50	85	106	87	113	50
400-278794-5	MW16-ROX-070725	84	85	49	84	98	85	108	49
400-278794-5 MS	MW16-ROX-070725	80	84	46	80	107	84	131	46
400-278794-5 MSD	MW16-ROX-070725	80	91	49	80	114	91	136	49
400-278794-6	MW12-ROX-070725	87	90	50	87	11	90	6 S1-	50
400-278794-9	MW9-ROX-070725-EB	88	88	70	88	101	88	110	70
400-278794-10	MW9-ROX-070725	84	86	50	84	101	86	109	50
400-278794-11	MW10-ROX-070725	85	88	52	85	105	88	113	52
400-278794-11 MS	MW10-ROX-070725	81	91	48	81	116	91	139	48
400-278794-11 MSD	MW10-ROX-070725	84	87	51	84	100	87	116	51
400-278794-12	MW28-ROX-070725	95	93	59	95	112	93	120	59
400-278794-13	MW27-ROX-070725	93	94	59	93	98	94	105	59
LCS 400-715402/2-A	Lab Control Sample	80	84	73	80	109	84	135	73
LCS 400-715402/3-A	Lab Control Sample				86	114	89	131	66
LCSD 400-715402/4-A	Lab Control Sample Dup				84	107	83	123	66
MB 400-715402/1-A	Method Blank	87	85	70	87	105	85	116	70

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-278794-3	MW11-ROX-070725-EB	91							
400-278794-4	MW11-ROX-070725	92							
400-278794-5	MW16-ROX-070725	87							
400-278794-5 MS	MW16-ROX-070725	103							
400-278794-5 MSD	MW16-ROX-070725	110							
400-278794-6	MW12-ROX-070725	32							
400-278794-9	MW9-ROX-070725-EB	87							
400-278794-10	MW9-ROX-070725	86							
400-278794-11	MW10-ROX-070725	84							
400-278794-11 MS	MW10-ROX-070725	107							
400-278794-11 MSD	MW10-ROX-070725	111							
400-278794-12	MW28-ROX-070725	105							
400-278794-13	MW27-ROX-070725	101							
LCS 400-715402/2-A	Lab Control Sample	105							
LCS 400-715402/3-A	Lab Control Sample	84							
LCSD 400-715402/4-A	Lab Control Sample Dup	89							
MB 400-715402/1-A	Method Blank	90							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070725-8260-A
Lab Sample ID: 400-278794-1
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:36	WPD	EET PEN

Client Sample ID: TB-ROX-070725-8260SIM-A
Lab Sample ID: 400-278794-2
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 20:02	SRK	EET PEN

Client Sample ID: MW11-ROX-070725-EB
Lab Sample ID: 400-278794-3
Date Collected: 07/07/25 08:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:58	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 20:25	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 18:22	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 18:22	JAW	EET PEN

Client Sample ID: MW11-ROX-070725
Lab Sample ID: 400-278794-4
Date Collected: 07/07/25 10:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 15:20	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:12	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 18:58	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 18:58	JAW	EET PEN

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5
Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 09:42	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 15:45	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 19:34	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 19:34	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW12-ROX-070725
Lab Sample ID: 400-278794-6
Date Collected: 07/07/25 12:25
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 15:42	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:35	SRK	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 21:21	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 21:21	JAW	EET PEN

Client Sample ID: TB-ROX-070725-8260-B
Lab Sample ID: 400-278794-7
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:04	WPD	EET PEN

Client Sample ID: TB-ROX-070725-8260SIM-B
Lab Sample ID: 400-278794-8
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:59	SRK	EET PEN

Client Sample ID: MW9-ROX-070725-EB
Lab Sample ID: 400-278794-9
Date Collected: 07/07/25 08:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:26	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 22:22	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 21:57	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 21:57	JAW	EET PEN

Client Sample ID: MW9-ROX-070725
Lab Sample ID: 400-278794-10
Date Collected: 07/07/25 10:05
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:48	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 22:46	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 22:32	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 22:32	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11

Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 10:04	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:08	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 23:08	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 23:08	JAW	EET PEN

Client Sample ID: MW28-ROX-070725
Lab Sample ID: 400-278794-12

Date Collected: 07/07/25 12:55
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 17:10	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 23:09	SRK	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715402	07/09/25 10:59	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/11/25 00:54	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715402	07/09/25 10:59	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/11/25 00:54	JAW	EET PEN

Client Sample ID: MW27-ROX-070725
Lab Sample ID: 400-278794-13

Date Collected: 07/07/25 13:45
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 14:06	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 23:32	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 12:28	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 12:28	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715402/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 15:59	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 15:59	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715694/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 08:22	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715727/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 13:02	SRK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715867/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 07:52	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715402/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 16:34	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 16:34	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715402/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 17:10	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715694/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 07:25	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715727/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 12:24	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715867/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 06:56	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715402/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 17:47	JAW	EET PEN

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5 MS
Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 11:54	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:31	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 20:09	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 20:09	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5 MSD
Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 12:16	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:55	SRK	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 20:46	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 20:46	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11 MS
Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 12:38	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 17:18	SRK	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 23:44	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 23:44	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11 MSD
Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 13:00	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 17:41	SRK	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/11/25 00:19	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/11/25 00:19	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-1	TB-ROX-070725-8260-A	Total/NA	Water	8260D	
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8260D	
400-278794-4	MW11-ROX-070725	Total/NA	Water	8260D	
400-278794-6	MW12-ROX-070725	Total/NA	Water	8260D	
400-278794-7	TB-ROX-070725-8260-B	Total/NA	Water	8260D	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8260D	
400-278794-10	MW9-ROX-070725	Total/NA	Water	8260D	
400-278794-12	MW28-ROX-070725	Total/NA	Water	8260D	
MB 400-715694/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715694/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 715727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-2	TB-ROX-070725-8260SIM-A	Total/NA	Water	8260D SIM	
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8260D SIM	
400-278794-4	MW11-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-6	MW12-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-8	TB-ROX-070725-8260SIM-B	Total/NA	Water	8260D SIM	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8260D SIM	
400-278794-10	MW9-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-12	MW28-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-13	MW27-ROX-070725	Total/NA	Water	8260D SIM	
MB 400-715727/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715727/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 715867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-5	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-11	MW10-ROX-070725	Total/NA	Water	8260D	
400-278794-13	MW27-ROX-070725	Total/NA	Water	8260D	
MB 400-715867/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715867/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8260D	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-5	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11	MW10-ROX-070725	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8260D SIM	

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

GC/MS Semi VOA

Prep Batch: 715402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	3511	
400-278794-4	MW11-ROX-070725	Total/NA	Water	3511	
400-278794-5	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-6	MW12-ROX-070725	Total/NA	Water	3511	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	3511	
400-278794-10	MW9-ROX-070725	Total/NA	Water	3511	
400-278794-11	MW10-ROX-070725	Total/NA	Water	3511	
400-278794-12	MW28-ROX-070725	Total/NA	Water	3511	
400-278794-13	MW27-ROX-070725	Total/NA	Water	3511	
MB 400-715402/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715402/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715402/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	3511	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	3511	

Analysis Batch: 715567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-4	MW11-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-6	MW12-ROX-070725	Total/NA	Water	8270E	715402
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-10	MW9-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-12	MW28-ROX-070725	Total/NA	Water	8270E	715402
MB 400-715402/1-A	Method Blank	Total/NA	Water	8270E	715402
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	8270E	715402
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-4	MW11-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-6	MW12-ROX-070725	Total/NA	Water	8270E	715402
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-10	MW9-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-12	MW28-ROX-070725	Total/NA	Water	8270E	715402
MB 400-715402/1-A	Method Blank	Total/NA	Water	8270E	715402
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	8270E	715402
LCS 400-715402/3-A	Lab Control Sample	Total/NA	Water	8270E	715402
LCSD 400-715402/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	715402
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8270E	715402

GC/MS Semi VOA (Continued)

Analysis Batch: 715568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-13	MW27-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-13	MW27-ROX-070725	Total/NA	Water	8270E	715402

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 08:22	1
Acrolein	ND		20	3.3	ug/L			07/11/25 08:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 08:22	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 08:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 08:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 08:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 08:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 08:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 08:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 08:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 08:22	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 08:22	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 08:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 08:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 08:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 08:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 08:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 08:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 08:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 08:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 08:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 08:22	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 08:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 08:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 08:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 08:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 08:22	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 08:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 08:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 08:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 08:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 08:22	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 08:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 08:22	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 08:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 08:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 08:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 08:22	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 08:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 08:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 08:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 08:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 08:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 08:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 08:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 08:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 08:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 08:22*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 08:22*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 08:22*	*1*

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	163		ug/L		65	38 - 150
Acrylonitrile	500	392		ug/L		78	64 - 142
Benzene	50.0	47.0		ug/L		94	70 - 130
Bromobenzene	50.0	43.8		ug/L		88	70 - 132
Bromochloromethane	50.0	42.0		ug/L		84	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	67 - 133
Bromoform	50.0	35.1		ug/L		70	57 - 140
Bromomethane	25.0	23.8		ug/L		95	10 - 150
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	42.8		ug/L		86	61 - 137
Carbon tetrachloride	50.0	42.9		ug/L		86	61 - 137
Chlorobenzene	50.0	43.3		ug/L		87	70 - 130
Chloroethane	25.0	14.4		ug/L		58	55 - 141
2-Chloroethyl vinyl ether	25.0	20.3		ug/L		81	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	44.7		ug/L		89	69 - 130
1-Chlorohexane	50.0	43.1		ug/L		86	69 - 130
Chloromethane	25.0	20.0		ug/L		80	58 - 137
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	69 - 132
Dibromochloromethane	50.0	39.8		ug/L		80	67 - 135
1,2-Dichlorobenzene	50.0	42.5		ug/L		85	67 - 130
1,3-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.0		ug/L		84	70 - 130
Dichlorodifluoromethane	25.0	19.4		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	45.8		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	46.0		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	47.3		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	47.2		ug/L		94	70 - 130
2,2-Dichloropropane	50.0	47.6		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	44.2		ug/L		88	68 - 130
Hexachlorobutadiene	50.0	39.7		ug/L		79	53 - 140
2-Hexanone	200	202		ug/L		101	65 - 137
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 130
Methylene bromide	50.0	43.2		ug/L		86	70 - 130
Methylene Chloride	50.0	45.8		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	69 - 138
Methyl tert-butyl ether	50.0	46.4		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	43.6		ug/L		87	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.5		ug/L		89	67 - 130
N-Propylbenzene	50.0	46.0		ug/L		92	70 - 130
o-Chlorotoluene	50.0	45.5		ug/L		91	70 - 130
o-Xylene	50.0	44.9		ug/L		90	70 - 130
p-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
p-Isopropyltoluene	50.0	43.0		ug/L		86	65 - 130
sec-Butylbenzene	50.0	44.6		ug/L		89	66 - 130
Styrene	50.0	42.5		ug/L		85	70 - 130
tert-Butylbenzene	50.0	45.1		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	41.5		ug/L		83	65 - 130
Toluene	50.0	45.0		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 140
1,1,1-Trichloroethane	50.0	46.5		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	70 - 130
Trichloroethene	50.0	44.8		ug/L		90	70 - 130
Trichlorofluoromethane	25.0	18.0		ug/L		72	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	46.1		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	69 - 130
Vinyl acetate	50.0	39.4		ug/L		79	26 - 150
Vinyl chloride	25.0	22.5		ug/L		90	59 - 136
Xylenes, Total	100	88.5		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-715867/4
Matrix: Water
Analysis Batch: 715867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 07:52	1
Acrolein	ND		20	3.3	ug/L			07/14/25 07:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 07:52	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 07:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 07:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 07:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 07:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 07:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 07:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 07:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 07:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 07:52	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 07:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 07:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 07:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 07:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 07:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 07:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 07:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 07:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 07:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 07:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715867/4
Matrix: Water
Analysis Batch: 715867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 07:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 07:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 07:52	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 07:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 07:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 07:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 07:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 07:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 07:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 07:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 07:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 07:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 07:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 07:52	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 07:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 07:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 07:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 07:52	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 07:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 07:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 07:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 07:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 07:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 07:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 07:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 07:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 07:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 07:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 07:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 07:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/14/25 07:52*	*1*
Dibromofluoromethane	*118*		*79 - 130*		*07/14/25 07:52*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/14/25 07:52*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715867/1002
Matrix: Water
Analysis Batch: 715867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	181		ug/L		73	38 - 150
Acrylonitrile	500	387		ug/L		77	64 - 142
Benzene	50.0	47.6		ug/L		95	70 - 130
Bromobenzene	50.0	41.4		ug/L		83	70 - 132
Bromochloromethane	50.0	42.4		ug/L		85	70 - 130
Bromodichloromethane	50.0	46.7		ug/L		93	67 - 133
Bromoform	50.0	32.7		ug/L		65	57 - 140
Bromomethane	25.0	21.2		ug/L		85	10 - 150
2-Butanone (MEK)	200	199		ug/L		99	61 - 145
Carbon disulfide	50.0	42.1		ug/L		84	61 - 137
Carbon tetrachloride	50.0	43.0		ug/L		86	61 - 137
Chlorobenzene	50.0	42.8		ug/L		86	70 - 130
Chloroethane	25.0	16.6		ug/L		67	55 - 141
2-Chloroethyl vinyl ether	25.0	23.3		ug/L		93	10 - 150
Chloroform	50.0	45.0		ug/L		90	69 - 130
1-Chlorohexane	50.0	44.8		ug/L		90	69 - 130
Chloromethane	25.0	20.5		ug/L		82	58 - 137
cis-1,2-Dichloroethene	50.0	43.9		ug/L		88	68 - 130
cis-1,3-Dichloropropene	50.0	46.9		ug/L		94	69 - 132
Dibromochloromethane	50.0	39.0		ug/L		78	67 - 135
1,2-Dichlorobenzene	50.0	40.9		ug/L		82	67 - 130
1,3-Dichlorobenzene	50.0	41.8		ug/L		84	70 - 130
1,4-Dichlorobenzene	50.0	41.1		ug/L		82	70 - 130
Dichlorodifluoromethane	25.0	20.9		ug/L		84	41 - 146
1,1-Dichloroethane	50.0	45.5		ug/L		91	70 - 130
1,2-Dichloroethane	50.0	46.7		ug/L		93	69 - 130
1,1-Dichloroethene	50.0	44.3		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	45.7		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	47.4		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	49.7		ug/L		99	70 - 130
Ethylbenzene	50.0	45.9		ug/L		92	70 - 130
Ethyl methacrylate	50.0	41.8		ug/L		84	68 - 130
Hexachlorobutadiene	50.0	42.4		ug/L		85	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	44.6		ug/L		89	70 - 130
Methylene bromide	50.0	43.9		ug/L		88	70 - 130
Methylene Chloride	50.0	44.7		ug/L		89	66 - 135
4-Methyl-2-pentanone (MIBK)	200	174		ug/L		87	69 - 138
Methyl tert-butyl ether	50.0	47.1		ug/L		94	66 - 130
m-Xylene & p-Xylene	50.0	44.3		ug/L		89	70 - 130
Naphthalene	50.0	40.9		ug/L		82	47 - 149
n-Butylbenzene	50.0	46.9		ug/L		94	67 - 130
N-Propylbenzene	50.0	45.6		ug/L		91	70 - 130
o-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
o-Xylene	50.0	45.0		ug/L		90	70 - 130
p-Chlorotoluene	50.0	43.9		ug/L		88	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715867/1002
Matrix: Water
Analysis Batch: 715867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	43.9		ug/L		88	65 - 130
sec-Butylbenzene	50.0	44.5		ug/L		89	66 - 130
Styrene	50.0	42.8		ug/L		86	70 - 130
tert-Butylbenzene	50.0	44.2		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	39.6		ug/L		79	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.2		ug/L		82	70 - 131
Tetrachloroethene	50.0	41.8		ug/L		84	65 - 130
Toluene	50.0	43.8		ug/L		88	70 - 130
trans-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	43.8		ug/L		88	63 - 130
1,2,3-Trichlorobenzene	50.0	41.3		ug/L		83	60 - 138
1,2,4-Trichlorobenzene	50.0	42.7		ug/L		85	60 - 140
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.2		ug/L		88	70 - 130
Trichloroethene	50.0	46.8		ug/L		94	70 - 130
Trichlorofluoromethane	25.0	20.3		ug/L		81	65 - 138
1,2,3-Trichloropropane	50.0	41.9		ug/L		84	70 - 130
1,2,4-Trimethylbenzene	50.0	43.6		ug/L		87	70 - 130
1,3,5-Trimethylbenzene	50.0	44.1		ug/L		88	69 - 130
Vinyl acetate	50.0	43.4		ug/L		87	26 - 150
Vinyl chloride	25.0	22.9		ug/L		91	59 - 136
Xylenes, Total	100	89.3		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	82.9	F1	ug/L		41	43 - 150
Acrolein	ND		250	203		ug/L		81	38 - 150
Acrylonitrile	ND		500	456		ug/L		91	62 - 149
Benzene	ND		50.0	52.7		ug/L		105	56 - 142
Bromobenzene	ND		50.0	48.9		ug/L		98	59 - 136
Bromochloromethane	ND		50.0	46.1		ug/L		92	64 - 140
Bromodichloromethane	ND		50.0	52.9		ug/L		106	59 - 143
Bromoform	ND		50.0	40.5		ug/L		81	50 - 140
Bromomethane	ND		25.0	15.4		ug/L		61	10 - 150
2-Butanone (MEK)	ND		200	127		ug/L		64	55 - 150
Carbon disulfide	ND		50.0	46.1		ug/L		92	48 - 150
Carbon tetrachloride	ND		50.0	49.5		ug/L		99	55 - 145
Chlorobenzene	ND		50.0	48.5		ug/L		97	64 - 130
Chloroethane	ND		25.0	17.2		ug/L		69	50 - 150
2-Chloroethyl vinyl ether	ND	F1	25.0	2.46	J	ug/L		10	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	ND		50.0	49.3		ug/L		99	60 - 141
1-Chlorohexane	ND		50.0	50.2		ug/L		100	56 - 136
Chloromethane	ND		25.0	21.4		ug/L		85	49 - 148
cis-1,2-Dichloroethene	ND		50.0	49.3		ug/L		99	59 - 143
cis-1,3-Dichloropropene	ND		50.0	53.4		ug/L		107	57 - 140
Dibromochloromethane	ND		50.0	46.9		ug/L		94	56 - 143
1,2-Dichlorobenzene	ND		50.0	47.8		ug/L		96	52 - 137
1,3-Dichlorobenzene	ND		50.0	48.8		ug/L		98	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.0		ug/L		96	53 - 135
Dichlorodifluoromethane	ND		25.0	21.6		ug/L		86	16 - 150
1,1-Dichloroethane	ND		50.0	50.0		ug/L		100	61 - 144
1,2-Dichloroethane	ND		50.0	52.5		ug/L		105	60 - 141
1,1-Dichloroethene	ND		50.0	48.8		ug/L		98	54 - 147
1,2-Dichloropropane	ND		50.0	53.8		ug/L		108	66 - 137
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133
2,2-Dichloropropane	ND		50.0	52.0		ug/L		104	42 - 144
1,1-Dichloropropene	ND		50.0	55.6		ug/L		111	65 - 136
Ethylbenzene	ND		50.0	50.8		ug/L		102	58 - 131
Ethyl methacrylate	ND		50.0	52.0		ug/L		104	64 - 130
Hexachlorobutadiene	ND		50.0	48.7		ug/L		97	31 - 149
2-Hexanone	ND		200	151		ug/L		75	65 - 140
Isopropylbenzene	ND		50.0	49.2		ug/L		98	56 - 133
Methylene bromide	ND		50.0	49.0		ug/L		98	63 - 138
Methylene Chloride	ND		50.0	50.2		ug/L		100	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		95	63 - 146
Methyl tert-butyl ether	ND		50.0	55.8		ug/L		112	59 - 137
m-Xylene & p-Xylene	ND		50.0	48.9		ug/L		98	57 - 130
Naphthalene	ND		50.0	51.2		ug/L		102	25 - 150
n-Butylbenzene	ND		50.0	52.2		ug/L		104	41 - 142
N-Propylbenzene	ND		50.0	52.9		ug/L		106	51 - 138
o-Chlorotoluene	ND		50.0	51.6		ug/L		103	53 - 134
o-Xylene	ND		50.0	50.3		ug/L		101	61 - 130
p-Chlorotoluene	ND		50.0	50.3		ug/L		101	54 - 133
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139
sec-Butylbenzene	ND		50.0	51.6		ug/L		103	50 - 138
Styrene	ND		50.0	47.3		ug/L		95	58 - 131
tert-Butylbenzene	ND		50.0	52.0		ug/L		104	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	47.4		ug/L		95	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	66 - 135
Tetrachloroethene	ND		50.0	46.8		ug/L		94	52 - 133
Toluene	ND		50.0	51.0		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.9		ug/L		102	61 - 143
trans-1,3-Dichloropropene	ND		50.0	52.3		ug/L		105	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	49.7		ug/L		99	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	49.6		ug/L		99	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.2		ug/L		104	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.6		ug/L		107	66 - 131
Trichloroethene	ND		50.0	51.1		ug/L		102	64 - 136
Trichlorofluoromethane	ND		25.0	21.0		ug/L		84	54 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	ND		50.0	52.5		ug/L		105	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	50.0		ug/L		100	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	50.6		ug/L		101	52 - 135
Vinyl acetate	ND		50.0	52.0		ug/L		104	26 - 150
Vinyl chloride	ND		25.0	24.1		ug/L		97	46 - 150
Xylenes, Total	ND		100	99.2		ug/L		99	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1	200	83.3	F1	ug/L		42	43 - 150	0	30
Acrolein	ND		250	188		ug/L		75	38 - 150	8	31
Acrylonitrile	ND		500	438		ug/L		88	62 - 149	4	30
Benzene	ND		50.0	48.4		ug/L		97	56 - 142	8	30
Bromobenzene	ND		50.0	41.5		ug/L		83	59 - 136	16	30
Bromochloromethane	ND		50.0	41.5		ug/L		83	64 - 140	10	30
Bromodichloromethane	ND		50.0	47.5		ug/L		95	59 - 143	11	30
Bromoform	ND		50.0	35.6		ug/L		71	50 - 140	13	30
Bromomethane	ND		25.0	15.4		ug/L		62	10 - 150	0	50
2-Butanone (MEK)	ND		200	123		ug/L		62	55 - 150	3	30
Carbon disulfide	ND		50.0	42.9		ug/L		86	48 - 150	7	30
Carbon tetrachloride	ND		50.0	45.4		ug/L		91	55 - 145	9	30
Chlorobenzene	ND		50.0	42.6		ug/L		85	64 - 130	13	30
Chloroethane	ND		25.0	14.9		ug/L		60	50 - 150	14	30
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	44.8		ug/L		90	60 - 141	9	30
1-Chlorohexane	ND		50.0	44.3		ug/L		89	56 - 136	12	30
Chloromethane	ND		25.0	20.2		ug/L		81	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	59 - 143	6	30
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140	9	30
Dibromochloromethane	ND		50.0	42.1		ug/L		84	56 - 143	11	30
1,2-Dichlorobenzene	ND		50.0	38.9		ug/L		78	52 - 137	21	30
1,3-Dichlorobenzene	ND		50.0	40.0		ug/L		80	54 - 135	20	30
1,4-Dichlorobenzene	ND		50.0	38.5		ug/L		77	53 - 135	22	30
Dichlorodifluoromethane	ND		25.0	20.0		ug/L		80	16 - 150	8	31
1,1-Dichloroethane	ND		50.0	46.3		ug/L		93	61 - 144	8	30
1,2-Dichloroethane	ND		50.0	48.4		ug/L		97	60 - 141	8	30
1,1-Dichloroethene	ND		50.0	45.5		ug/L		91	54 - 147	7	30
1,2-Dichloropropane	ND		50.0	49.2		ug/L		98	66 - 137	9	30
1,3-Dichloropropane	ND		50.0	48.6		ug/L		97	66 - 133	11	30
2,2-Dichloropropane	ND		50.0	48.3		ug/L		97	42 - 144	7	31

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene	ND		50.0	50.8		ug/L		102	65 - 136	9	30
Ethylbenzene	ND		50.0	45.0		ug/L		90	58 - 131	12	30
Ethyl methacrylate	ND		50.0	47.7		ug/L		95	64 - 130	9	30
Hexachlorobutadiene	ND		50.0	38.0		ug/L		76	31 - 149	25	36
2-Hexanone	ND		200	139		ug/L		69	65 - 140	8	30
Isopropylbenzene	ND		50.0	42.3		ug/L		85	56 - 133	15	30
Methylene bromide	ND		50.0	45.3		ug/L		91	63 - 138	8	30
Methylene Chloride	ND		50.0	45.4		ug/L		91	60 - 146	10	32
4-Methyl-2-pentanone (MIBK)	ND		200	181		ug/L		91	63 - 146	5	30
Methyl tert-butyl ether	ND		50.0	52.5		ug/L		105	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	43.1		ug/L		86	57 - 130	13	30
Naphthalene	ND		50.0	41.2		ug/L		82	25 - 150	22	30
n-Butylbenzene	ND		50.0	42.5		ug/L		85	41 - 142	21	31
N-Propylbenzene	ND		50.0	44.6		ug/L		89	51 - 138	17	30
o-Chlorotoluene	ND		50.0	43.6		ug/L		87	53 - 134	17	30
o-Xylene	ND		50.0	43.4		ug/L		87	61 - 130	15	30
p-Chlorotoluene	ND		50.0	42.3		ug/L		85	54 - 133	17	30
p-Isopropyltoluene	ND		50.0	41.3		ug/L		83	48 - 139	19	30
sec-Butylbenzene	ND		50.0	42.9		ug/L		86	50 - 138	18	30
Styrene	ND		50.0	41.3		ug/L		83	58 - 131	14	30
tert-Butylbenzene	ND		50.0	43.7		ug/L		87	54 - 146	17	30
1,1,1,2-Tetrachloroethane	ND		50.0	41.5		ug/L		83	59 - 137	13	30
1,1,2,2-Tetrachloroethane	ND		50.0	48.0		ug/L		96	66 - 135	12	30
Tetrachloroethene	ND		50.0	42.5		ug/L		85	52 - 133	10	30
Toluene	ND		50.0	45.4		ug/L		91	65 - 130	12	30
trans-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	61 - 143	9	30
trans-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	53 - 133	13	30
1,2,3-Trichlorobenzene	ND		50.0	38.3		ug/L		77	43 - 145	26	30
1,2,4-Trichlorobenzene	ND		50.0	37.3		ug/L		75	39 - 148	28	30
1,1,1-Trichloroethane	ND		50.0	48.2		ug/L		96	57 - 142	8	30
1,1,2-Trichloroethane	ND		50.0	48.0		ug/L		96	66 - 131	11	30
Trichloroethene	ND		50.0	46.7		ug/L		93	64 - 136	9	30
Trichlorofluoromethane	ND		25.0	19.5		ug/L		78	54 - 150	7	30
1,2,3-Trichloropropane	ND		50.0	48.1		ug/L		96	65 - 133	9	30
1,2,4-Trimethylbenzene	ND		50.0	42.0		ug/L		84	50 - 139	17	30
1,3,5-Trimethylbenzene	ND		50.0	42.0		ug/L		84	52 - 135	19	30
Vinyl acetate	ND		50.0	47.5		ug/L		95	26 - 150	9	33
Vinyl chloride	ND		25.0	22.1		ug/L		89	46 - 150	9	30
Xylenes, Total	ND		100	86.5		ug/L		86	59 - 130	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	85.2		ug/L		43	43 - 150
Acrolein	ND		250	185		ug/L		74	38 - 150
Acrylonitrile	ND		500	455		ug/L		91	62 - 149
Benzene	ND		50.0	48.2		ug/L		96	56 - 142
Bromobenzene	ND		50.0	39.9		ug/L		80	59 - 136
Bromochloromethane	ND		50.0	43.1		ug/L		86	64 - 140
Bromodichloromethane	ND		50.0	48.6		ug/L		97	59 - 143
Bromoform	ND		50.0	36.9		ug/L		74	50 - 140
Bromomethane	ND		25.0	17.3		ug/L		69	10 - 150
2-Butanone (MEK)	ND		200	126		ug/L		63	55 - 150
Carbon disulfide	ND		50.0	43.1		ug/L		86	48 - 150
Carbon tetrachloride	ND		50.0	45.0		ug/L		90	55 - 145
Chlorobenzene	ND		50.0	39.9		ug/L		80	64 - 130
Chloroethane	ND		25.0	16.4		ug/L		66	50 - 150
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	46.2		ug/L		92	60 - 141
1-Chlorohexane	ND		50.0	38.0		ug/L		76	56 - 136
Chloromethane	ND		25.0	20.0		ug/L		80	49 - 148
cis-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	59 - 143
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140
Dibromochloromethane	ND		50.0	43.1		ug/L		86	56 - 143
1,2-Dichlorobenzene	ND		50.0	37.4		ug/L		75	52 - 137
1,3-Dichlorobenzene	ND		50.0	35.7		ug/L		71	54 - 135
1,4-Dichlorobenzene	ND		50.0	35.4		ug/L		71	53 - 135
Dichlorodifluoromethane	ND		25.0	19.7		ug/L		79	16 - 150
1,1-Dichloroethane	ND		50.0	47.4		ug/L		95	61 - 144
1,2-Dichloroethane	ND		50.0	50.5		ug/L		101	60 - 141
1,1-Dichloroethene	ND		50.0	46.2		ug/L		92	54 - 147
1,2-Dichloropropane	ND		50.0	50.1		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	49.9		ug/L		100	66 - 133
2,2-Dichloropropane	ND		50.0	49.1		ug/L		98	42 - 144
1,1-Dichloropropene	ND		50.0	50.2		ug/L		100	65 - 136
Ethylbenzene	ND		50.0	40.1		ug/L		80	58 - 131
Ethyl methacrylate	ND		50.0	48.1		ug/L		96	64 - 130
Hexachlorobutadiene	ND		50.0	28.1		ug/L		56	31 - 149
2-Hexanone	ND		200	147		ug/L		74	65 - 140
Isopropylbenzene	ND		50.0	36.8		ug/L		74	56 - 133
Methylene bromide	ND		50.0	47.5		ug/L		95	63 - 138
Methylene Chloride	ND		50.0	47.7		ug/L		95	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	186		ug/L		93	63 - 146
Methyl tert-butyl ether	ND		50.0	54.2		ug/L		108	59 - 137
m-Xylene & p-Xylene	ND		50.0	38.0		ug/L		76	57 - 130
Naphthalene	ND		50.0	45.2		ug/L		90	25 - 150
n-Butylbenzene	ND		50.0	32.4		ug/L		65	41 - 142
N-Propylbenzene	ND		50.0	37.0		ug/L		74	51 - 138
o-Chlorotoluene	ND		50.0	38.0		ug/L		76	53 - 134
o-Xylene	ND		50.0	40.1		ug/L		80	61 - 130
p-Chlorotoluene	ND		50.0	37.3		ug/L		75	54 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	ND		50.0	33.0		ug/L		66	48 - 139
sec-Butylbenzene	ND		50.0	34.8		ug/L		70	50 - 138
Styrene	ND		50.0	38.5		ug/L		77	58 - 131
tert-Butylbenzene	ND		50.0	37.5		ug/L		75	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	40.3		ug/L		81	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	50.2		ug/L		100	66 - 135
Tetrachloroethene	ND		50.0	38.7		ug/L		77	52 - 133
Toluene	ND		50.0	43.0		ug/L		86	65 - 130
trans-1,2-Dichloroethene	ND		50.0	46.2		ug/L		92	61 - 143
trans-1,3-Dichloropropene	ND		50.0	47.2		ug/L		94	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	38.3		ug/L		77	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	35.9		ug/L		72	39 - 148
1,1,1-Trichloroethane	ND		50.0	48.6		ug/L		97	57 - 142
1,1,2-Trichloroethane	ND		50.0	48.6		ug/L		97	66 - 131
Trichloroethene	ND		50.0	45.4		ug/L		91	64 - 136
Trichlorofluoromethane	ND		25.0	19.4		ug/L		78	54 - 150
1,2,3-Trichloropropane	ND		50.0	50.9		ug/L		102	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	35.9		ug/L		72	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	35.9		ug/L		72	52 - 135
Vinyl acetate	ND		50.0	46.7		ug/L		93	26 - 150
Vinyl chloride	ND		25.0	21.8		ug/L		87	46 - 150
Xylenes, Total	ND		100	78.1		ug/L		78	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1	200	84.2	F1	ug/L		42	43 - 150	1	30
Acrolein	ND		250	219		ug/L		88	38 - 150	17	31
Acrylonitrile	ND		500	462		ug/L		92	62 - 149	2	30
Benzene	ND		50.0	50.8		ug/L		102	56 - 142	5	30
Bromobenzene	ND		50.0	44.9		ug/L		90	59 - 136	12	30
Bromochloromethane	ND		50.0	43.7		ug/L		87	64 - 140	1	30
Bromodichloromethane	ND		50.0	51.6		ug/L		103	59 - 143	6	30
Bromoform	ND		50.0	39.5		ug/L		79	50 - 140	7	30
Bromomethane	ND		25.0	17.7		ug/L		71	10 - 150	2	50
2-Butanone (MEK)	ND		200	127		ug/L		63	55 - 150	0	30
Carbon disulfide	ND		50.0	45.2		ug/L		90	48 - 150	5	30
Carbon tetrachloride	ND		50.0	47.9		ug/L		96	55 - 145	6	30
Chlorobenzene	ND		50.0	44.5		ug/L		89	64 - 130	11	30
Chloroethane	ND		25.0	15.9		ug/L		64	50 - 150	3	30
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150	NC	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	47.9		ug/L		96	60 - 141	4	30
1-Chlorohexane	ND		50.0	44.2		ug/L		88	56 - 136	15	30
Chloromethane	ND		25.0	22.8		ug/L		91	49 - 148	13	31
cis-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.0		ug/L		104	57 - 140	6	30
Dibromochloromethane	ND		50.0	45.6		ug/L		91	56 - 143	6	30
1,2-Dichlorobenzene	ND		50.0	42.9		ug/L		86	52 - 137	14	30
1,3-Dichlorobenzene	ND		50.0	42.5		ug/L		85	54 - 135	17	30
1,4-Dichlorobenzene	ND		50.0	41.3		ug/L		83	53 - 135	15	30
Dichlorodifluoromethane	ND		25.0	22.2		ug/L		89	16 - 150	12	31
1,1-Dichloroethane	ND		50.0	49.0		ug/L		98	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	51.8		ug/L		104	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	47.8		ug/L		96	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	52.8		ug/L		106	66 - 137	5	30
1,3-Dichloropropane	ND		50.0	52.9		ug/L		106	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	50.7		ug/L		101	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	53.7		ug/L		107	65 - 136	7	30
Ethylbenzene	ND		50.0	45.7		ug/L		91	58 - 131	13	30
Ethyl methacrylate	ND		50.0	51.2		ug/L		102	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	34.8		ug/L		70	31 - 149	21	36
2-Hexanone	ND		200	151		ug/L		75	65 - 140	2	30
Isopropylbenzene	ND		50.0	42.9		ug/L		86	56 - 133	15	30
Methylene bromide	ND		50.0	47.6		ug/L		95	63 - 138	0	30
Methylene Chloride	ND		50.0	49.4		ug/L		99	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		96	63 - 146	3	30
Methyl tert-butyl ether	ND		50.0	55.7		ug/L		111	59 - 137	3	30
m-Xylene & p-Xylene	ND		50.0	43.2		ug/L		86	57 - 130	13	30
Naphthalene	ND		50.0	49.2		ug/L		98	25 - 150	8	30
n-Butylbenzene	ND		50.0	40.5		ug/L		81	41 - 142	22	31
N-Propylbenzene	ND		50.0	44.6		ug/L		89	51 - 138	19	30
o-Chlorotoluene	ND		50.0	45.0		ug/L		90	53 - 134	17	30
o-Xylene	ND		50.0	45.0		ug/L		90	61 - 130	12	30
p-Chlorotoluene	ND		50.0	43.6		ug/L		87	54 - 133	16	30
p-Isopropyltoluene	ND		50.0	40.7		ug/L		81	48 - 139	21	30
sec-Butylbenzene	ND		50.0	42.8		ug/L		86	50 - 138	21	30
Styrene	ND		50.0	43.0		ug/L		86	58 - 131	11	30
tert-Butylbenzene	ND		50.0	45.1		ug/L		90	54 - 146	18	30
1,1,1,2-Tetrachloroethane	ND		50.0	44.6		ug/L		89	59 - 137	10	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	5	30
Tetrachloroethene	ND		50.0	43.1		ug/L		86	52 - 133	11	30
Toluene	ND		50.0	47.1		ug/L		94	65 - 130	9	30
trans-1,2-Dichloroethene	ND		50.0	48.3		ug/L		97	61 - 143	5	30
trans-1,3-Dichloropropene	ND		50.0	49.8		ug/L		100	53 - 133	6	30
1,2,3-Trichlorobenzene	ND		50.0	42.2		ug/L		84	43 - 145	10	30
1,2,4-Trichlorobenzene	ND		50.0	41.5		ug/L		83	39 - 148	14	30
1,1,1-Trichloroethane	ND		50.0	50.5		ug/L		101	57 - 142	4	30
1,1,2-Trichloroethane	ND		50.0	52.0		ug/L		104	66 - 131	7	30
Trichloroethene	ND		50.0	49.5		ug/L		99	64 - 136	9	30
Trichlorofluoromethane	ND		25.0	21.6		ug/L		86	54 - 150	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		50.0	54.0		ug/L		108	65 - 133	6	30
1,2,4-Trimethylbenzene	ND		50.0	43.6		ug/L		87	50 - 139	19	30
1,3,5-Trimethylbenzene	ND		50.0	43.3		ug/L		87	52 - 135	19	30
Vinyl acetate	ND		50.0	54.5		ug/L		109	26 - 150	16	33
Vinyl chloride	ND		25.0	24.9		ug/L		99	46 - 150	13	30
Xylenes, Total	ND		100	88.3		ug/L		88	59 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-715727/5
Matrix: Water
Analysis Batch: 715727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 13:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/11/25 13:02*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/11/25 13:02*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/11/25 13:02*	*1*

Lab Sample ID: LCS 400-715727/1004
Matrix: Water
Analysis Batch: 715727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.496		ug/L		99	50 - 150		
1,2-Dibromoethane			0.500	0.506		ug/L		101	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*101*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*102*		*50 - 150*

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	103		50 - 150		07/14/25 14:11	1
Toluene-d8 (Surr)	98		50 - 150		07/14/25 14:11	1
4-Bromofluorobenzene	105		50 - 150		07/14/25 14:11	1

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.457		ug/L		91	50 - 150		
1,2-Dibromoethane			0.500	0.519		ug/L		104	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	95		50 - 150
Toluene-d8 (Surr)	102		50 - 150
4-Bromofluorobenzene	105		50 - 150

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.500	0.479		ug/L		96	50 - 150		
1,2-Dibromoethane	ND		0.500	0.470		ug/L		94	50 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	105		50 - 150
Toluene-d8 (Surr)	95		50 - 150
4-Bromofluorobenzene	96		50 - 150

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.500	0.488		ug/L		98	50 - 150	2	50
1,2-Dibromoethane	ND		0.500	0.451		ug/L		90	50 - 150	4	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	105		50 - 150
Toluene-d8 (Surr)	97		50 - 150
4-Bromofluorobenzene	99		50 - 150

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.500	0.519		ug/L		104	50 - 150		
1,2-Dibromoethane	ND		0.500	0.527		ug/L		105	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane	*105*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*99*		*50 - 150*

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.500	0.502		ug/L		100	50 - 150	3	50
1,2-Dibromoethane	ND		0.500	0.498		ug/L		100	50 - 150	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*99*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/10/25 15:59	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/10/25 15:59	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 15:59	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/10/25 15:59	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/10/25 15:59	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 15:59	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 15:59	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/10/25 15:59	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 15:59	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/10/25 15:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 15:59	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/10/25 15:59	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 15:59	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pyrene	ND		0.20	0.095	ug/L		07/08/25 07:00	07/10/25 15:59	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/10/25 15:59	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/10/25 15:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/10/25 15:59	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/10/25 15:59	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/10/25 15:59	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/10/25 15:59	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/10/25 15:59	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/10/25 15:59	1
Phenol	ND		10	0.68	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pyridine	ND		10	3.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/10/25 15:59	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/10/25 15:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Phenol-d5	*116*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	25.8		ug/L		77	29 - 110
Aniline	33.3	38.9		ug/L		117	10 - 134
Acenaphthylene	33.3	27.0		ug/L		81	30 - 112
Anthracene	33.3	34.7		ug/L		104	31 - 120
Benzoic acid	214	120		ug/L		56	10 - 180
Benzo[a]anthracene	33.3	35.3		ug/L		106	36 - 118
Benzyl alcohol	33.3	36.0		ug/L		108	10 - 150
Benzo[a]pyrene	33.3	32.1		ug/L		96	29 - 120
Bis(2-chloroethoxy)methane	33.3	34.3		ug/L		103	34 - 120
Benzo[b]fluoranthene	33.3	34.5		ug/L		104	32 - 119
Bis(2-chloroethyl)ether	33.3	28.9		ug/L		87	32 - 114
Benzo[g,h,i]perylene	33.3	29.7		ug/L		89	28 - 115
bis (2-chloroisopropyl) ether	33.3	27.1		ug/L		81	32 - 115
Benzo[k]fluoranthene	33.3	33.1		ug/L		99	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	28.6		ug/L		86	24 - 133
4-Bromophenyl phenyl ether	33.3	28.9		ug/L		87	24 - 120
Chrysene	33.3	34.2		ug/L		102	34 - 113
Butyl benzyl phthalate	33.3	28.4		ug/L		85	24 - 140
Dibenz(a,h)anthracene	33.3	30.3		ug/L		91	29 - 117
4-Chloroaniline	33.3	31.1		ug/L		93	10 - 150
Fluoranthene	33.3	41.1		ug/L		123	30 - 124
4-Chloro-3-methylphenol	33.3	38.7		ug/L		116	10 - 137
Fluorene	33.3	29.5		ug/L		88	30 - 118
2-Chloronaphthalene	33.3	26.5		ug/L		79	10 - 150
2-Chlorophenol	33.3	34.9		ug/L		105	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	29.6		ug/L		89	28 - 115
1-Methylnaphthalene	33.3	24.9		ug/L		75	25 - 120
4-Chlorophenyl phenyl ether	33.3	25.2		ug/L		76	31 - 110
2-Methylnaphthalene	33.3	24.6		ug/L		74	24 - 110
Dibenz[a,h]acridine	49.9	57.0		ug/L		114	40 - 140

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	31.6		ug/L		95	35 - 110
3,3'-Dichlorobenzidine	33.3	27.4		ug/L		82	10 - 150
Phenanthrene	33.3	33.7		ug/L		101	32 - 115
2,4-Dichlorophenol	33.3	33.3		ug/L		100	30 - 125
Pyrene	33.3	43.2	*+	ug/L		130	30 - 126
Diethyl phthalate	33.3	23.2		ug/L		70	31 - 118
2,4-Dimethylphenol	33.3	34.4		ug/L		103	10 - 142
Dimethyl phthalate	33.3	27.8		ug/L		83	24 - 125
Di-n-butyl phthalate	33.3	25.7		ug/L		77	30 - 127
4,6-Dinitro-ortho-cresol	66.7	62.1		ug/L		93	10 - 150
2,4-Dinitrophenol	66.7	49.6		ug/L		74	10 - 150
2,4-Dinitrotoluene	33.3	29.8		ug/L		90	30 - 129
2,6-Dinitrotoluene	33.3	31.4		ug/L		94	34 - 132
Di-n-octyl phthalate	33.3	28.3		ug/L		85	28 - 142
1,4-Dioxane	33.3	32.8		ug/L		98	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	27.7		ug/L		83	29 - 121
Hexachlorobenzene	33.3	28.9		ug/L		87	29 - 113
Hexachlorocyclopentadiene	33.3	14.5	J	ug/L		44	10 - 150
Hexachloroethane	33.3	21.4		ug/L		64	10 - 112
Indene	50.0	38.7		ug/L		77	10 - 113
Isophorone	33.3	27.4		ug/L		82	29 - 125
2-Methylphenol	33.3	39.1		ug/L		117	11 - 121
3 & 4 Methylphenol	33.3	45.8		ug/L		137	10 - 150
2-Nitroaniline	33.3	35.0		ug/L		105	31 - 141
3-Nitroaniline	33.3	29.8		ug/L		90	33 - 136
4-Nitroaniline	33.3	32.2		ug/L		97	37 - 139
Nitrobenzene	33.3	27.7		ug/L		83	29 - 129
2-Nitrophenol	33.3	35.0		ug/L		105	31 - 142
4-Nitrophenol	66.7	84.1		ug/L		126	10 - 150
N-Nitrosodimethylamine	33.3	35.2		ug/L		106	10 - 136
N-Nitrosodi-n-propylamine	33.3	31.5		ug/L		94	53 - 134
N-Nitrosodiphenylamine	33.1	29.9		ug/L		90	62 - 132
Pentachlorophenol	66.7	74.5		ug/L		112	14 - 150
Phenol	33.3	50.5	*+	ug/L		152	10 - 150
Pyridine	66.7	124	*+	ug/L		187	10 - 150
Quinoline	49.9	52.9		ug/L		106	50 - 150
2,4,5-Trichlorophenol	33.3	34.9		ug/L		105	27 - 136
2,4,6-Trichlorophenol	33.3	33.5		ug/L		101	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*73*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*135*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	73		28 - 150
2,4,6-Tribromophenol	105		10 - 150

Lab Sample ID: LCS 400-715402/3-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	49.9		ug/L		100	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	89		22 - 150
Phenol-d5	131		10 - 150
Terphenyl-d14	66		28 - 150
2,4,6-Tribromophenol	84		10 - 150

Lab Sample ID: LCSD 400-715402/4-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715402

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	43.5		ug/L		87	10 - 150	14	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	84		25 - 139
2-Fluorophenol	107		10 - 150
Nitrobenzene-d5	83		22 - 150
Phenol-d5	123		10 - 150
Terphenyl-d14	66		28 - 150
2,4,6-Tribromophenol	89		10 - 150

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.8	25.8		ug/L		79	50 - 150
Aniline	ND		32.8	39.1		ug/L		119	50 - 150
Acenaphthylene	ND		32.8	27.5		ug/L		84	50 - 150
Anthracene	ND		32.8	34.1		ug/L		104	50 - 150
Benzoic acid	ND		211	154		ug/L		73	50 - 150
Benzo[a]anthracene	ND		32.8	28.9		ug/L		88	50 - 150
Benzyl alcohol	ND		32.8	35.1		ug/L		107	50 - 150
Benzo[a]pyrene	ND		32.8	28.3		ug/L		86	50 - 150
Bis(2-chloroethoxy)methane	ND		32.8	36.5		ug/L		111	50 - 150
Benzo[b]fluoranthene	ND		32.8	30.0		ug/L		92	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	ND		32.8	29.8		ug/L		91	50 - 150
Benzo[g,h,i]perylene	ND		32.8	26.4		ug/L		81	50 - 150
bis (2-chloroisopropyl) ether	ND		32.8	28.2		ug/L		86	50 - 150
Benzo[k]fluoranthene	ND		32.8	30.2		ug/L		92	50 - 150
Bis(2-ethylhexyl) phthalate	ND		32.8	25.4		ug/L		77	50 - 150
4-Bromophenyl phenyl ether	ND		32.8	27.3		ug/L		83	50 - 150
Chrysene	ND		32.8	28.4		ug/L		87	50 - 150
Butyl benzyl phthalate	ND		32.8	29.3		ug/L		89	50 - 150
Dibenz(a,h)anthracene	ND		32.8	27.5		ug/L		84	50 - 150
4-Chloroaniline	ND		32.8	34.2		ug/L		104	50 - 150
Fluoranthene	ND		32.8	37.6		ug/L		115	50 - 150
4-Chloro-3-methylphenol	ND		32.8	38.4		ug/L		117	50 - 150
Fluorene	ND		32.8	28.9		ug/L		88	50 - 150
2-Chloronaphthalene	ND		32.8	27.2		ug/L		83	50 - 150
2-Chlorophenol	ND		32.8	33.6		ug/L		102	50 - 150
Indeno[1,2,3-cd]pyrene	ND		32.8	26.4		ug/L		81	50 - 150
1-Methylnaphthalene	ND		32.8	26.1		ug/L		80	50 - 150
4-Chlorophenyl phenyl ether	ND		32.8	24.4		ug/L		74	50 - 150
2-Methylnaphthalene	ND		32.8	25.8		ug/L		79	50 - 150
Dibenz[a,h]acridine	ND		49.1	55.8		ug/L		114	50 - 150
Dibenzofuran	ND		32.8	31.4		ug/L		96	50 - 150
3,3'-Dichlorobenzidine	ND		32.8	27.4		ug/L		84	50 - 150
Phenanthrene	ND		32.8	33.2		ug/L		101	50 - 150
2,4-Dichlorophenol	ND		32.8	33.3		ug/L		102	50 - 150
Pyrene	ND	*+	32.8	39.7		ug/L		121	50 - 150
Diethyl phthalate	ND		32.8	24.6		ug/L		75	50 - 150
2,4-Dimethylphenol	ND		32.8	36.2		ug/L		110	50 - 150
Dimethyl phthalate	ND		32.8	27.5		ug/L		84	50 - 150
Di-n-butyl phthalate	ND		32.8	27.4		ug/L		84	50 - 150
4,6-Dinitro-ortho-cresol	ND		65.6	59.3		ug/L		90	50 - 150
2,4-Dinitrophenol	ND		65.6	49.3		ug/L		75	50 - 150
2,4-Dinitrotoluene	ND		32.8	30.4		ug/L		93	50 - 150
2,6-Dinitrotoluene	ND		32.8	32.0		ug/L		97	50 - 150
Di-n-octyl phthalate	ND		32.8	24.8		ug/L		76	50 - 150
1,4-Dioxane	ND		32.8	33.1		ug/L		101	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.8	27.0		ug/L		82	50 - 150
Hexachlorobenzene	ND		32.8	27.5		ug/L		84	50 - 150
Hexachlorocyclopentadiene	ND		32.8	18.6	J	ug/L		57	50 - 150
Hexachloroethane	ND		32.8	21.8		ug/L		66	50 - 150
Indene	ND		49.2	41.4		ug/L		84	50 - 150
Isophorone	ND		32.8	28.0		ug/L		85	50 - 150
2-Methylphenol	ND		32.8	38.6		ug/L		118	50 - 150
3 & 4 Methylphenol	ND		32.8	44.7		ug/L		136	50 - 150
2-Nitroaniline	ND		32.8	35.7		ug/L		109	50 - 150
3-Nitroaniline	ND		32.8	31.5		ug/L		96	50 - 150
4-Nitroaniline	ND		32.8	33.2		ug/L		101	50 - 150
Nitrobenzene	ND		32.8	28.6		ug/L		87	50 - 150
2-Nitrophenol	ND		32.8	35.3		ug/L		108	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitrophenol	ND		65.6	80.6		ug/L		123	50 - 150
N-Nitrosodimethylamine	ND		32.8	35.9		ug/L		109	50 - 150
N-Nitrosodi-n-propylamine	ND		32.8	31.4		ug/L		96	50 - 150
N-Nitrosodiphenylamine	ND		32.5	30.0		ug/L		92	50 - 150
Pentachlorophenol	ND		65.6	69.8		ug/L		106	50 - 150
Phenol	ND	F1 *+	32.8	49.6	F1	ug/L		151	50 - 150
Pyridine	ND	F1 *+	65.6	128	F1	ug/L		195	50 - 150
Quinoline	ND		49.1	58.0		ug/L		118	50 - 150
2,4,5-Trichlorophenol	ND		32.8	33.4		ug/L		102	50 - 150
2,4,6-Trichlorophenol	ND		32.8	32.3		ug/L		98	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*46*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*131*		*10 - 150*
Terphenyl-d14	*46*		*28 - 150*
2,4,6-Tribromophenol	*103*		*10 - 150*

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.9	25.7		ug/L		78	50 - 150	0	40
Aniline	ND		32.9	40.3		ug/L		123	50 - 150	3	40
Acenaphthylene	ND		32.9	27.8		ug/L		85	50 - 150	1	40
Anthracene	ND		32.9	35.5		ug/L		108	50 - 150	4	40
Benzoic acid	ND		212	162		ug/L		77	50 - 150	5	40
Benzo[a]anthracene	ND		32.9	30.7		ug/L		93	50 - 150	6	40
Benzyl alcohol	ND		32.9	38.3		ug/L		116	50 - 150	9	40
Benzo[a]pyrene	ND		32.9	28.9		ug/L		88	50 - 150	2	40
Bis(2-chloroethoxy)methane	ND		32.9	36.0		ug/L		110	50 - 150	1	40
Benzo[b]fluoranthene	ND		32.9	30.0		ug/L		91	50 - 150	0	40
Bis(2-chloroethyl)ether	ND		32.9	31.9		ug/L		97	50 - 150	7	40
Benzo[g,h,i]perylene	ND		32.9	26.9		ug/L		82	50 - 150	2	40
bis (2-chloroisopropyl) ether	ND		32.9	30.5		ug/L		93	50 - 150	8	40
Benzo[k]fluoranthene	ND		32.9	30.9		ug/L		94	50 - 150	2	40
Bis(2-ethylhexyl) phthalate	ND		32.9	26.9		ug/L		82	50 - 150	6	40
4-Bromophenyl phenyl ether	ND		32.9	28.1		ug/L		85	50 - 150	3	40
Chrysene	ND		32.9	30.0		ug/L		91	50 - 150	5	40
Butyl benzyl phthalate	ND		32.9	30.1		ug/L		92	50 - 150	3	40
Dibenz(a,h)anthracene	ND		32.9	27.8		ug/L		85	50 - 150	1	40
4-Chloroaniline	ND		32.9	33.7		ug/L		102	50 - 150	2	40
Fluoranthene	ND		32.9	39.4		ug/L		120	50 - 150	5	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	ND		32.9	38.6		ug/L		117	50 - 150	1	40
Fluorene	ND		32.9	29.1		ug/L		88	50 - 150	1	40
2-Chloronaphthalene	ND		32.9	24.1		ug/L		73	50 - 150	12	40
2-Chlorophenol	ND		32.9	36.3		ug/L		110	50 - 150	8	40
Indeno[1,2,3-cd]pyrene	ND		32.9	27.3		ug/L		83	50 - 150	4	40
1-Methylnaphthalene	ND		32.9	26.1		ug/L		79	50 - 150	0	40
4-Chlorophenyl phenyl ether	ND		32.9	24.5		ug/L		74	50 - 150	1	40
2-Methylnaphthalene	ND		32.9	26.0		ug/L		79	50 - 150	1	40
Dibenz[a,h]acridine	ND		49.2	55.1		ug/L		112	50 - 150	1	40
Dibenzofuran	ND		32.9	31.9		ug/L		97	50 - 150	2	40
3,3'-Dichlorobenzidine	ND		32.9	29.2		ug/L		89	50 - 150	6	40
Phenanthrene	ND		32.9	33.8		ug/L		103	50 - 150	2	40
2,4-Dichlorophenol	ND		32.9	33.5		ug/L		102	50 - 150	1	40
Pyrene	ND	*+	32.9	42.1		ug/L		128	50 - 150	6	40
Diethyl phthalate	ND		32.9	24.7		ug/L		75	50 - 150	1	40
2,4-Dimethylphenol	ND		32.9	35.6		ug/L		108	50 - 150	2	40
Dimethyl phthalate	ND		32.9	27.7		ug/L		84	50 - 150	1	40
Di-n-butyl phthalate	ND		32.9	28.1		ug/L		85	50 - 150	2	40
4,6-Dinitro-ortho-cresol	ND		65.8	62.3		ug/L		95	50 - 150	5	40
2,4-Dinitrophenol	ND		65.8	50.0		ug/L		76	50 - 150	2	40
2,4-Dinitrotoluene	ND		32.9	30.7		ug/L		93	50 - 150	1	40
2,6-Dinitrotoluene	ND		32.9	31.8		ug/L		97	50 - 150	0	40
Di-n-octyl phthalate	ND		32.9	26.7		ug/L		81	50 - 150	8	40
1,4-Dioxane	ND		32.9	35.3		ug/L		107	50 - 150	6	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.9	27.6		ug/L		84	50 - 150	2	40
Hexachlorobenzene	ND		32.9	28.3		ug/L		86	50 - 150	3	40
Hexachlorocyclopentadiene	ND		32.9	20.1		ug/L		61	50 - 150	8	40
Hexachloroethane	ND		32.9	24.4		ug/L		74	50 - 150	11	40
Indene	ND		49.3	44.4		ug/L		90	50 - 150	7	40
Isophorone	ND		32.9	30.2		ug/L		92	50 - 150	8	40
2-Methylphenol	ND		32.9	41.5		ug/L		126	50 - 150	7	40
3 & 4 Methylphenol	ND		32.9	46.8		ug/L		142	50 - 150	5	40
2-Nitroaniline	ND		32.9	36.3		ug/L		110	50 - 150	1	40
3-Nitroaniline	ND		32.9	32.1		ug/L		98	50 - 150	2	40
4-Nitroaniline	ND		32.9	33.4		ug/L		102	50 - 150	1	40
Nitrobenzene	ND		32.9	30.9		ug/L		94	50 - 150	8	40
2-Nitrophenol	ND		32.9	35.3		ug/L		107	50 - 150	0	40
4-Nitrophenol	ND		65.8	81.1		ug/L		123	50 - 150	1	40
N-Nitrosodimethylamine	ND		32.9	37.1		ug/L		113	50 - 150	3	40
N-Nitrosodi-n-propylamine	ND		32.9	34.2		ug/L		104	50 - 150	8	40
N-Nitrosodiphenylamine	ND		32.6	30.2		ug/L		92	50 - 150	1	40
Pentachlorophenol	ND		65.8	73.2		ug/L		111	50 - 150	5	40
Phenol	ND	F1 *+	32.9	51.0	F1	ug/L		155	50 - 150	3	40
Pyridine	ND	F1 *+	65.8	131	F1	ug/L		199	50 - 150	2	40
Quinoline	ND		49.2	56.5		ug/L		115	50 - 150	3	40
2,4,5-Trichlorophenol	ND		32.9	32.6		ug/L		99	50 - 150	2	40
2,4,6-Trichlorophenol	ND		32.9	32.8		ug/L		100	50 - 150	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	80		15 - 150
Nitrobenzene-d5	91		50 - 150
Terphenyl-d14	49		43 - 147
2-Fluorobiphenyl	80		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	91		22 - 150
Phenol-d5	136		10 - 150
Terphenyl-d14	49		28 - 150
2,4,6-Tribromophenol	110		10 - 150

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		33.1	24.6		ug/L		74	50 - 150
Aniline	ND		33.1	40.4		ug/L		122	50 - 150
Acenaphthylene	ND		33.1	26.7		ug/L		81	50 - 150
Anthracene	ND		33.1	34.9		ug/L		105	50 - 150
Benzoic acid	ND		213	158		ug/L		74	50 - 150
Benzo[a]anthracene	ND		33.1	31.6		ug/L		95	50 - 150
Benzyl alcohol	ND		33.1	39.4		ug/L		119	50 - 150
Benzo[a]pyrene	ND		33.1	30.7		ug/L		93	50 - 150
Bis(2-chloroethoxy)methane	ND		33.1	36.2		ug/L		109	50 - 150
Benzo[b]fluoranthene	ND		33.1	32.1		ug/L		97	50 - 150
Bis(2-chloroethyl)ether	ND		33.1	32.2		ug/L		97	50 - 150
Benzo[g,h,i]perylene	ND		33.1	29.1		ug/L		88	50 - 150
bis (2-chloroisopropyl) ether	ND		33.1	30.0		ug/L		91	50 - 150
Benzo[k]fluoranthene	ND		33.1	32.9		ug/L		99	50 - 150
Bis(2-ethylhexyl) phthalate	ND		33.1	27.2		ug/L		82	50 - 150
4-Bromophenyl phenyl ether	ND		33.1	26.2		ug/L		79	50 - 150
Chrysene	ND		33.1	31.7		ug/L		96	50 - 150
Butyl benzyl phthalate	ND		33.1	31.3		ug/L		95	50 - 150
Dibenz(a,h)anthracene	ND		33.1	30.1		ug/L		91	50 - 150
4-Chloroaniline	ND		33.1	32.6		ug/L		98	50 - 150
Fluoranthene	ND		33.1	39.8		ug/L		120	50 - 150
4-Chloro-3-methylphenol	ND		33.1	39.0		ug/L		118	50 - 150
Fluorene	ND		33.1	27.5		ug/L		83	50 - 150
2-Chloronaphthalene	ND		33.1	23.6		ug/L		71	50 - 150
2-Chlorophenol	ND		33.1	37.1		ug/L		112	50 - 150
Indeno[1,2,3-cd]pyrene	ND		33.1	29.5		ug/L		89	50 - 150
1-Methylnaphthalene	ND		33.1	25.0		ug/L		75	50 - 150
4-Chlorophenyl phenyl ether	ND		33.1	22.7		ug/L		69	50 - 150
2-Methylnaphthalene	ND		33.1	24.6		ug/L		74	50 - 150
Dibenz[a,h]acridine	ND		49.5	57.0		ug/L		115	50 - 150
Dibenzofuran	ND		33.1	29.8		ug/L		90	50 - 150
3,3'-Dichlorobenzidine	ND		33.1	26.6		ug/L		80	50 - 150
Phenanthrene	ND		33.1	32.9		ug/L		99	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	ND		33.1	34.5		ug/L		104	50 - 150
Pyrene	ND	*+ F1	33.1	42.2		ug/L		127	50 - 150
Diethyl phthalate	ND		33.1	22.5		ug/L		68	50 - 150
2,4-Dimethylphenol	ND		33.1	34.8		ug/L		105	50 - 150
Dimethyl phthalate	ND		33.1	28.1		ug/L		85	50 - 150
Di-n-butyl phthalate	ND		33.1	26.9		ug/L		81	50 - 150
4,6-Dinitro-ortho-cresol	ND		66.2	62.6		ug/L		95	50 - 150
2,4-Dinitrophenol	ND		66.2	51.0		ug/L		77	50 - 150
2,4-Dinitrotoluene	ND		33.1	30.2		ug/L		91	50 - 150
2,6-Dinitrotoluene	ND		33.1	31.8		ug/L		96	50 - 150
Di-n-octyl phthalate	ND		33.1	26.9		ug/L		81	50 - 150
1,4-Dioxane	ND		33.1	35.3		ug/L		107	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.1	26.0		ug/L		79	50 - 150
Hexachlorobenzene	ND		33.1	28.1		ug/L		85	50 - 150
Hexachlorocyclopentadiene	ND		33.1	17.3	J	ug/L		52	50 - 150
Hexachloroethane	ND		33.1	22.1		ug/L		67	50 - 150
Indene	ND		49.7	42.1		ug/L		85	50 - 150
Isophorone	ND		33.1	30.1		ug/L		91	50 - 150
2-Methylphenol	ND		33.1	42.7		ug/L		129	50 - 150
3 & 4 Methylphenol	ND	F1	33.1	48.4		ug/L		146	50 - 150
2-Nitroaniline	ND		33.1	35.3		ug/L		107	50 - 150
3-Nitroaniline	ND		33.1	30.9		ug/L		93	50 - 150
4-Nitroaniline	ND		33.1	32.8		ug/L		99	50 - 150
Nitrobenzene	ND		33.1	31.1		ug/L		94	50 - 150
2-Nitrophenol	ND		33.1	35.6		ug/L		107	50 - 150
4-Nitrophenol	ND		66.2	82.4		ug/L		124	50 - 150
N-Nitrosodimethylamine	ND		33.1	37.7		ug/L		114	50 - 150
N-Nitrosodi-n-propylamine	ND		33.1	33.8		ug/L		102	50 - 150
N-Nitrosodiphenylamine	ND		32.8	29.4		ug/L		89	50 - 150
Pentachlorophenol	ND		66.2	74.9		ug/L		113	50 - 150
Phenol	ND	F1 *+	33.1	52.5	F1	ug/L		159	50 - 150
Pyridine	ND	F1 *+	66.2	127	F1	ug/L		192	50 - 150
Quinoline	ND		49.5	55.4		ug/L		112	50 - 150
2,4,5-Trichlorophenol	ND		33.1	34.0		ug/L		103	50 - 150
2,4,6-Trichlorophenol	ND		33.1	34.2		ug/L		103	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Terphenyl-d14	*48*		*43 - 147*
2-Fluorobiphenyl	*81*		*25 - 139*
2-Fluorophenol	*116*		*10 - 150*
Nitrobenzene-d5	*91*		*22 - 150*
Phenol-d5	*139*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		33.1	29.7		ug/L		90	50 - 150	19	40
Aniline	ND		33.1	39.2		ug/L		118	50 - 150	3	40
Acenaphthylene	ND		33.1	31.9		ug/L		96	50 - 150	18	40
Anthracene	ND		33.1	40.9		ug/L		124	50 - 150	16	40
Benzoic acid	ND		213	165		ug/L		78	50 - 150	5	40
Benzo[a]anthracene	ND		33.1	38.3		ug/L		116	50 - 150	19	40
Benzyl alcohol	ND		33.1	42.8		ug/L		129	50 - 150	8	40
Benzo[a]pyrene	ND		33.1	35.0		ug/L		106	50 - 150	13	40
Bis(2-chloroethoxy)methane	ND		33.1	41.0		ug/L		124	50 - 150	12	40
Benzo[b]fluoranthene	ND		33.1	36.5		ug/L		110	50 - 150	13	40
Bis(2-chloroethyl)ether	ND		33.1	34.8		ug/L		105	50 - 150	8	40
Benzo[g,h,i]perylene	ND		33.1	33.2		ug/L		100	50 - 150	13	40
bis (2-chloroisopropyl) ether	ND		33.1	32.4		ug/L		98	50 - 150	8	40
Benzo[k]fluoranthene	ND		33.1	36.9		ug/L		111	50 - 150	11	40
Bis(2-ethylhexyl) phthalate	ND		33.1	32.1		ug/L		97	50 - 150	16	40
4-Bromophenyl phenyl ether	ND		33.1	32.1		ug/L		97	50 - 150	20	40
Chrysene	ND		33.1	37.9		ug/L		114	50 - 150	18	40
Butyl benzyl phthalate	ND		33.1	37.5		ug/L		113	50 - 150	18	40
Dibenz(a,h)anthracene	ND		33.1	34.4		ug/L		104	50 - 150	13	40
4-Chloroaniline	ND		33.1	35.2		ug/L		106	50 - 150	8	40
Fluoranthene	ND		33.1	49.5		ug/L		150	50 - 150	22	40
4-Chloro-3-methylphenol	ND		33.1	45.7		ug/L		138	50 - 150	16	40
Fluorene	ND		33.1	33.7		ug/L		102	50 - 150	20	40
2-Chloronaphthalene	ND		33.1	30.5		ug/L		92	50 - 150	26	40
2-Chlorophenol	ND		33.1	41.8		ug/L		126	50 - 150	12	40
Indeno[1,2,3-cd]pyrene	ND		33.1	33.6		ug/L		101	50 - 150	13	40
1-Methylnaphthalene	ND		33.1	28.9		ug/L		87	50 - 150	14	40
4-Chlorophenyl phenyl ether	ND		33.1	28.2		ug/L		85	50 - 150	21	40
2-Methylnaphthalene	ND		33.1	28.7		ug/L		87	50 - 150	15	40
Dibenz[a,h]acridine	ND		49.5	60.8		ug/L		123	50 - 150	6	40
Dibenzofuran	ND		33.1	37.5		ug/L		113	50 - 150	23	40
3,3'-Dichlorobenzidine	ND		33.1	33.1		ug/L		100	50 - 150	22	40
Phenanthrene	ND		33.1	39.2		ug/L		118	50 - 150	17	40
2,4-Dichlorophenol	ND		33.1	41.6		ug/L		126	50 - 150	19	40
Pyrene	ND	*+ F1	33.1	53.0	F1	ug/L		160	50 - 150	23	40
Diethyl phthalate	ND		33.1	31.6		ug/L		95	50 - 150	33	40
2,4-Dimethylphenol	ND		33.1	41.7		ug/L		126	50 - 150	18	40
Dimethyl phthalate	ND		33.1	36.5		ug/L		110	50 - 150	26	40
Di-n-butyl phthalate	ND		33.1	33.3		ug/L		101	50 - 150	21	40
4,6-Dinitro-ortho-cresol	ND		66.2	77.5		ug/L		117	50 - 150	21	40
2,4-Dinitrophenol	ND		66.2	59.3		ug/L		89	50 - 150	15	40
2,4-Dinitrotoluene	ND		33.1	35.5		ug/L		107	50 - 150	16	40
2,6-Dinitrotoluene	ND		33.1	36.6		ug/L		110	50 - 150	14	40
Di-n-octyl phthalate	ND		33.1	32.2		ug/L		97	50 - 150	18	40
1,4-Dioxane	ND		33.1	35.1		ug/L		106	50 - 150	0	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.1	32.1		ug/L		97	50 - 150	21	40
Hexachlorobenzene	ND		33.1	33.2		ug/L		100	50 - 150	17	40
Hexachlorocyclopentadiene	ND		33.1	22.3		ug/L		67	50 - 150	25	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	ND		33.1	24.6		ug/L		74	50 - 150	11	40
Indene	ND		49.7	42.3		ug/L		85	50 - 150	0	40
Isophorone	ND		33.1	32.7		ug/L		99	50 - 150	8	40
2-Methylphenol	ND		33.1	46.3		ug/L		140	50 - 150	8	40
3 & 4 Methylphenol	ND	F1	33.1	51.5	F1	ug/L		156	50 - 150	6	40
2-Nitroaniline	ND		33.1	42.0		ug/L		127	50 - 150	17	40
3-Nitroaniline	ND		33.1	34.8		ug/L		105	50 - 150	12	40
4-Nitroaniline	ND		33.1	38.0		ug/L		115	50 - 150	15	40
Nitrobenzene	ND		33.1	33.5		ug/L		101	50 - 150	7	40
2-Nitrophenol	ND		33.1	44.7		ug/L		135	50 - 150	23	40
4-Nitrophenol	ND		66.2	91.6		ug/L		138	50 - 150	11	40
N-Nitrosodimethylamine	ND		33.1	37.7		ug/L		114	50 - 150	0	40
N-Nitrosodi-n-propylamine	ND		33.1	36.7		ug/L		111	50 - 150	8	40
N-Nitrosodiphenylamine	ND		32.8	35.1		ug/L		107	50 - 150	18	40
Pentachlorophenol	ND		66.2	91.5		ug/L		138	50 - 150	20	40
Phenol	ND	F1 *+	33.1	51.9	F1	ug/L		157	50 - 150	1	40
Pyridine	ND	F1 *+	66.2	132	F1	ug/L		199	50 - 150	3	40
Quinoline	ND		49.5	58.5		ug/L		118	50 - 150	5	40
2,4,5-Trichlorophenol	ND		33.1	43.4		ug/L		131	50 - 150	24	40
2,4,6-Trichlorophenol	ND		33.1	43.0		ug/L		130	50 - 150	23	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*51*		*43 - 147*
2-Fluorobiphenyl	*84*		*25 - 139*
2-Fluorophenol	*100*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*51*		*28 - 150*
2,4,6-Tribromophenol	*111*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/7/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __2___
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

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SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): S.McLean, M.Massa

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070725-8260-A	7/7/2025	0000	Water	2					2	X			
	TB-ROX-070725-8260SIM-A	7/7/2025	0000	Water	2					2		X		
	MW11-ROX-070725-EB	7/7/2025	0810	Water	6			4		10	X	X	X	X
	MW11-ROX-070725	7/7/2025	1015	Water	6			4		10	X	X	X	X
	MW16-ROX-070725	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW16-ROX-070725-MS	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW16-ROX-070725-MSD	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW12-ROX-070725	7/7/2025	1225	Water	6			4		10	X	X	X	X

400-278794 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9598 5772/ 4234 9598 5761	7/7/2025	1600
		07/08/25	918

CUSTODY SEALS: 1135106, 1135107, 1135105, 1135104

3.3°C IR10
2.5°C IR10

Version: 19Sept24

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ BGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/7/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

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*** Include "J" values on Reports.**
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- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070725-8260-B	7/7/2025	0000	Water	2					2	X			
	TB-ROX-070725-8260SIM-B	7/7/2025	0000	Water	2					2		X		
	MW9-ROX-070725-EB	7/7/2025	08:00	Water	6			4		10	X	X	X	X
	MW9-ROX-070725	7/7/2025	10:05	Water	6			4		10	X	X	X	X
	MW10-ROX-070725	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW10-ROX-070725-MS	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW10-ROX-070725-MSD	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW28-ROX-070725	7/7/2025	12:55	Water	6			4		10	X	X	X	X
	MW27-ROX-070725	7/7/2025	13:45	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/7/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 07/08/25	Time: 918
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

7/23/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278794-1

Login Number: 278794
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, 3.3°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278870-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/27/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715522/2-A LCSD 400-715522/3-A	SVOCs	Pyridine	**171/181**	6	10-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics**		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table..

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-070825	VOCs	Acrylonitrile	UJ
MW23-ROX-070825	VOCs	Bromoform	UJ
MW23-ROX-070825	VOCs	Hexachlorobutadiene	UJ
MW23-ROX-070825	VOCs	Chloroethane	UJ
MW23-ROX-070825	VOCs	Trichlorofluoromethane	UJ
MW23-ROX-070825	VOCs	Acrolein	UJ
MW23-ROX-070825	VOCs	Vinyl Acetate	UJ

Method 8270E (SVOCs)

The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-070825	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/22/2025 5:21:51 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278870-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/22/2025 5:21:51 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-278870-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/9/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715694 recovered outside acceptance criteria, low biased, for Acrolein, Acrylonitrile, Bromoform, Chloroethane, Chloromethane, Dibromochloromethane, Hexachlorobutadiene, Trichlorofluoromethane and Vinyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-070825-8260-BP (400-278870-1) and MW23-ROX-070825 (400-278870-3). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-713963 was outside method criteria for the following analyte(s): Chloroethane and Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-715522 and analytical batch 400-715729 recovered outside control limits for the following analytes: Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278870-1	TB-ROX-070825-8260-BP	Water	07/08/25 00:00	07/09/25 09:50
400-278870-2	TB-ROX-070825-8260SIM-BP	Water	07/08/25 00:00	07/09/25 09:50
400-278870-3	MW23-ROX-070825	Water	07/08/25 09:30	07/09/25 09:50

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: TB-ROX-070825-8260-BP — Lab Sample ID: 400-278870-1

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-BP — Lab Sample ID: 400-278870-2

No Detections.

Client Sample ID: MW23-ROX-070825 — Lab Sample ID: 400-278870-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.29	J	1.0	0.20	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.2		1.0	0.22	ug/L	1		8260D	Total/NA
Trichloroethene	0.31	J	1.0	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: TB-ROX-070825-8260-BP
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 13:52	1
Acrolein	ND		20	3.3	ug/L			07/11/25 13:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 13:52	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 13:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 13:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 13:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 13:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 13:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 13:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 13:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 13:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 13:52	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 13:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 13:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 13:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 13:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 13:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 13:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 13:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 13:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 13:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 13:52	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 13:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 13:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 13:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 13:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 13:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 13:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 13:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 13:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 13:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 13:52	1

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-BP
Lab Sample ID: 400-278870-1
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 13:52	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 13:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 13:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 13:52	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 13:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 13:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 13:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 13:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 13:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 13:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 13:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 13:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 13:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 13:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 13:52*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*07/11/25 13:52*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 13:52*	*1*

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260SIM-BP
Lab Sample ID: 400-278870-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 19:15	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 19:15*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 19:15*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/14/25 19:15*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 19:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 19:38*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 19:38*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 19:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:14	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 14:14	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 14:14	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 14:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:14	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 14:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:14	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:14	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:14	1
cis-1,2-Dichloroethene	**0.29**	**J**	1.0	0.20	ug/L			07/11/25 14:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:14	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 14:14	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:14	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:14	1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**1.2**		1.0	0.22	ug/L			07/11/25 14:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:14	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:14	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:14	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:14	1
Trichloroethene	**0.31**	**J**	1.0	0.15	ug/L			07/11/25 14:14	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 14:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:14	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 14:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 14:14*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 14:14*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*07/11/25 14:14*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/09/25 07:00	07/11/25 16:03	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/11/25 16:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/11/25 16:03	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/11/25 16:03	1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/11/25 16:03	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/11/25 16:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 16:03	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/11/25 16:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/11/25 16:03	1
Fluorene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/11/25 16:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 16:03	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/11/25 16:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 16:03	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/11/25 16:03	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/11/25 16:03	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/11/25 16:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/11/25 16:03	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/11/25 16:03	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/11/25 16:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/11/25 16:03	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/11/25 16:03	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/11/25 16:03	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/11/25 16:03	1

Client Sample ID: MW23-ROX-070825
Lab Sample ID: 400-278870-3
Date Collected: 07/08/25 09:30
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/11/25 16:03	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/11/25 16:03	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/11/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Nitrobenzene-d5	*73*		*50 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Terphenyl-d14	*45*		*43 - 147*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2-Fluorophenol	*85*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Nitrobenzene-d5	*73*		*22 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Phenol-d5	*94*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Terphenyl-d14	*45*		*28 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2,4,6-Tribromophenol	*73*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278870-1	TB-ROX-070825-8260-BP	101	116	101
400-278870-3	MW23-ROX-070825	98	115	98
LCS 400-715694/1002	Lab Control Sample	108	99	100
MB 400-715694/4	Method Blank	98	113	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278870-2	TB-ROX-070825-8260SIM-BP	106	97	100
400-278870-3	MW23-ROX-070825	105	98	101
LCS 400-715943/1004	Lab Control Sample	95	102	105
MB 400-715943/6	Method Blank	103	98	105

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278870-3	MW23-ROX-070825	72	73	45	72	85	73	94	45
LCS 400-715522/2-A	Lab Control Sample	72	75	67	72	95	75	116	67
LCS 400-715522/4-A	Lab Control Sample				75	93	76	109	66
LCSD 400-715522/3-A	Lab Control Sample Dup	79	81	72	79	98	81	119	72
LCSD 400-715522/5-A	Lab Control Sample Dup				78	101	82	118	74
MB 400-715522/1-A	Method Blank	77	79	65	77	68	79	71	65

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-278870-3	MW23-ROX-070825	73
LCS 400-715522/2-A	Lab Control Sample	92
LCS 400-715522/4-A	Lab Control Sample	74
LCSD 400-715522/3-A	Lab Control Sample Dup	93
LCSD 400-715522/5-A	Lab Control Sample Dup	74
MB 400-715522/1-A	Method Blank	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Surrogate Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-BP
Lab Sample ID: 400-278870-1
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 13:52	WPD	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-BP
Lab Sample ID: 400-278870-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 19:15	SRK	EET PEN

Client Sample ID: MW23-ROX-070825
Lab Sample ID: 400-278870-3
Date Collected: 07/08/25 09:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:14	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 19:38	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 16:03	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 16:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715522/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:03	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715694/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 08:22	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:39	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715694/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 07:25	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 14:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:15	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 15:27	JAW	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 715694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-1	TB-ROX-070825-8260-BP	Total/NA	Water	8260D	
400-278870-3	MW23-ROX-070825	Total/NA	Water	8260D	
MB 400-715694/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715694/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-2	TB-ROX-070825-8260SIM-BP	Total/NA	Water	8260D SIM	
400-278870-3	MW23-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 715522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	3511	
MB 400-715522/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 08:22	1
Acrolein	ND		20	3.3	ug/L			07/11/25 08:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 08:22	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 08:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 08:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 08:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 08:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 08:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 08:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 08:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 08:22	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 08:22	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 08:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 08:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 08:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 08:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 08:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 08:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 08:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 08:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 08:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 08:22	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 08:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 08:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 08:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 08:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 08:22	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 08:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 08:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 08:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 08:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 08:22	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 08:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 08:22	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 08:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 08:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 08:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 08:22	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 08:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 08:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 08:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 08:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 08:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 08:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 08:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 08:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 08:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 08:22*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 08:22*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 08:22*	*1*

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	163		ug/L		65	38 - 150
Acrylonitrile	500	392		ug/L		78	64 - 142
Benzene	50.0	47.0		ug/L		94	70 - 130
Bromobenzene	50.0	43.8		ug/L		88	70 - 132
Bromochloromethane	50.0	42.0		ug/L		84	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	67 - 133
Bromoform	50.0	35.1		ug/L		70	57 - 140
Bromomethane	25.0	23.8		ug/L		95	10 - 150
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	42.8		ug/L		86	61 - 137
Carbon tetrachloride	50.0	42.9		ug/L		86	61 - 137
Chlorobenzene	50.0	43.3		ug/L		87	70 - 130
Chloroethane	25.0	14.4		ug/L		58	55 - 141
2-Chloroethyl vinyl ether	25.0	20.3		ug/L		81	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	44.7		ug/L		89	69 - 130
1-Chlorohexane	50.0	43.1		ug/L		86	69 - 130
Chloromethane	25.0	20.0		ug/L		80	58 - 137
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	69 - 132
Dibromochloromethane	50.0	39.8		ug/L		80	67 - 135
1,2-Dichlorobenzene	50.0	42.5		ug/L		85	67 - 130
1,3-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.0		ug/L		84	70 - 130
Dichlorodifluoromethane	25.0	19.4		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	45.8		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	46.0		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	47.3		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	47.2		ug/L		94	70 - 130
2,2-Dichloropropane	50.0	47.6		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	44.2		ug/L		88	68 - 130
Hexachlorobutadiene	50.0	39.7		ug/L		79	53 - 140
2-Hexanone	200	202		ug/L		101	65 - 137
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 130
Methylene bromide	50.0	43.2		ug/L		86	70 - 130
Methylene Chloride	50.0	45.8		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	69 - 138
Methyl tert-butyl ether	50.0	46.4		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	43.6		ug/L		87	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.5		ug/L		89	67 - 130
N-Propylbenzene	50.0	46.0		ug/L		92	70 - 130
o-Chlorotoluene	50.0	45.5		ug/L		91	70 - 130
o-Xylene	50.0	44.9		ug/L		90	70 - 130
p-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
p-Isopropyltoluene	50.0	43.0		ug/L		86	65 - 130
sec-Butylbenzene	50.0	44.6		ug/L		89	66 - 130
Styrene	50.0	42.5		ug/L		85	70 - 130
tert-Butylbenzene	50.0	45.1		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	41.5		ug/L		83	65 - 130
Toluene	50.0	45.0		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 140
1,1,1-Trichloroethane	50.0	46.5		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	70 - 130
Trichloroethene	50.0	44.8		ug/L		90	70 - 130
Trichlorofluoromethane	25.0	18.0		ug/L		72	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	46.1		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	69 - 130
Vinyl acetate	50.0	39.4		ug/L		79	26 - 150
Vinyl chloride	25.0	22.5		ug/L		90	59 - 136
Xylenes, Total	100	88.5		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/14/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 14:11*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/14/25 14:11*	*1*

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.457		ug/L		91	50 - 150
1,2-Dibromoethane	0.500	0.519		ug/L		104	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*102*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/11/25 13:03	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/11/25 13:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/11/25 13:03	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/11/25 13:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 13:03	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/11/25 13:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/11/25 13:03	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 13:03	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/11/25 13:03	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/11/25 13:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/11/25 13:03	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/11/25 13:03	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyridine	ND		10	3.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/11/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorophenol	*68*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Phenol-d5	*71*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.4		ug/L		73	29 - 110
Aniline	33.3	33.8		ug/L		101	10 - 134
Acenaphthylene	33.3	25.3		ug/L		76	30 - 112
Anthracene	33.3	31.7		ug/L		95	31 - 120
Benzoic acid	214	139		ug/L		65	10 - 180
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118
Benzyl alcohol	33.3	32.1	J	ug/L		96	10 - 150
Benzo[a]pyrene	33.3	29.4		ug/L		88	29 - 120
Bis(2-chloroethoxy)methane	33.3	31.3		ug/L		94	34 - 120
Benzo[b]fluoranthene	33.3	30.9		ug/L		93	32 - 119
Bis(2-chloroethyl)ether	33.3	26.9		ug/L		81	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	26.9		ug/L		81	28 - 115
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	30.6		ug/L		92	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	25.7		ug/L		77	24 - 133
4-Bromophenyl phenyl ether	33.3	27.4		ug/L		82	24 - 120
Chrysene	33.3	30.1		ug/L		90	34 - 113
Butyl benzyl phthalate	33.3	27.3		ug/L		82	24 - 140
Dibenz(a,h)anthracene	33.3	27.3		ug/L		82	29 - 117
4-Chloroaniline	33.3	26.4		ug/L		79	10 - 150
Fluoranthene	33.3	35.3		ug/L		106	30 - 124
4-Chloro-3-methylphenol	33.3	34.8		ug/L		104	10 - 137
Fluorene	33.3	27.8		ug/L		83	30 - 118
2-Chloronaphthalene	33.3	27.4		ug/L		82	10 - 150
2-Chlorophenol	33.3	31.1		ug/L		93	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	26.7		ug/L		80	28 - 115
1-Methylnaphthalene	33.3	22.6		ug/L		68	25 - 120
4-Chlorophenyl phenyl ether	33.3	24.9		ug/L		75	31 - 110
2-Methylnaphthalene	33.3	22.1		ug/L		66	24 - 110
Dibenz[a,h]acridine	49.9	52.7		ug/L		106	40 - 140
Dibenzofuran	33.3	29.9		ug/L		90	35 - 110
3,3'-Dichlorobenzidine	33.3	21.2		ug/L		63	10 - 150
Phenanthrene	33.3	31.3		ug/L		94	32 - 115
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Pyrene	33.3	36.9		ug/L		111	30 - 126
Diethyl phthalate	33.3	22.6		ug/L		68	31 - 118
2,4-Dimethylphenol	33.3	30.4		ug/L		91	10 - 142
Dimethyl phthalate	33.3	25.9		ug/L		78	24 - 125
Di-n-butyl phthalate	33.3	24.7		ug/L		74	30 - 127
4,6-Dinitro-ortho-cresol	66.7	55.1		ug/L		83	10 - 150
2,4-Dinitrophenol	66.7	44.0		ug/L		66	10 - 150
2,4-Dinitrotoluene	33.3	27.4		ug/L		82	30 - 129
2,6-Dinitrotoluene	33.3	28.0		ug/L		84	34 - 132
Di-n-octyl phthalate	33.3	25.5		ug/L		76	28 - 142
1,4-Dioxane	33.3	29.7		ug/L		89	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.4		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113
Hexachlorocyclopentadiene	33.3	13.7	J	ug/L		41	10 - 150
Hexachloroethane	33.3	15.0		ug/L		45	10 - 112
Indene	50.0	39.8		ug/L		80	10 - 113
Isophorone	33.3	25.0		ug/L		75	29 - 125
2-Methylphenol	33.3	35.0		ug/L		105	11 - 121
3 & 4 Methylphenol	33.3	39.6		ug/L		119	10 - 150
2-Nitroaniline	33.3	31.2		ug/L		93	31 - 141
3-Nitroaniline	33.3	26.0		ug/L		78	33 - 136
4-Nitroaniline	33.3	27.9		ug/L		84	37 - 139
Nitrobenzene	33.3	25.5		ug/L		76	29 - 129
2-Nitrophenol	33.3	30.7		ug/L		92	31 - 142
4-Nitrophenol	66.7	68.7		ug/L		103	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	31.5		ug/L		94	10 - 136
N-Nitrosodi-n-propylamine	33.3	27.8		ug/L		83	53 - 134
N-Nitrosodiphenylamine	33.1	27.4		ug/L		83	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	43.2		ug/L		130	10 - 150
Pyridine	66.7	114	*+	ug/L		171	10 - 150
Quinoline	49.9	53.8		ug/L		108	50 - 150
2,4,5-Trichlorophenol	33.3	29.7		ug/L		89	27 - 136
2,4,6-Trichlorophenol	33.3	29.9		ug/L		90	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*15 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Terphenyl-d14	*67*		*43 - 147*
2-Fluorobiphenyl	*72*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*75*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*67*		*28 - 150*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCS 400-715522/4-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	42.6		ug/L		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*109*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	24.7		ug/L		74	29 - 110	1	40
Aniline	33.3	34.6		ug/L		104	10 - 134	2	40
Acenaphthylene	33.3	25.6		ug/L		77	30 - 112	1	40
Anthracene	33.3	31.9		ug/L		96	31 - 120	1	40
Benzoic acid	214	147		ug/L		69	10 - 180	5	40
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118	0	40
Benzyl alcohol	33.3	32.6	J	ug/L		98	10 - 150	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	33.3	30.3		ug/L		91	29 - 120	3	40
Bis(2-chloroethoxy)methane	33.3	31.6		ug/L		95	34 - 120	1	40
Benzo[b]fluoranthene	33.3	32.7		ug/L		98	32 - 119	6	40
Bis(2-chloroethyl)ether	33.3	26.7		ug/L		80	32 - 114	1	40
Benzo[g,h,i]perylene	33.3	27.8		ug/L		84	28 - 115	3	40
bis (2-chloroisopropyl) ether	33.3	24.8		ug/L		75	32 - 115	1	40
Benzo[k]fluoranthene	33.3	31.1		ug/L		93	30 - 118	1	40
Bis(2-ethylhexyl) phthalate	33.3	25.8		ug/L		77	24 - 133	0	40
4-Bromophenyl phenyl ether	33.3	27.1		ug/L		81	24 - 120	1	40
Chrysene	33.3	30.0		ug/L		90	34 - 113	0	40
Butyl benzyl phthalate	33.3	25.8		ug/L		77	24 - 140	6	40
Dibenz(a,h)anthracene	33.3	28.0		ug/L		84	29 - 117	2	40
4-Chloroaniline	33.3	27.6		ug/L		83	10 - 150	5	40
Fluoranthene	33.3	35.3		ug/L		106	30 - 124	0	40
4-Chloro-3-methylphenol	33.3	33.3		ug/L		100	10 - 137	4	40
Fluorene	33.3	27.7		ug/L		83	30 - 118	0	40
2-Chloronaphthalene	33.3	23.7		ug/L		71	10 - 150	15	40
2-Chlorophenol	33.3	30.3		ug/L		91	28 - 127	3	40
Indeno[1,2,3-cd]pyrene	33.3	27.7		ug/L		83	28 - 115	4	40
1-Methylnaphthalene	33.3	22.8		ug/L		68	25 - 120	1	40
4-Chlorophenyl phenyl ether	33.3	25.3		ug/L		76	31 - 110	1	40
2-Methylnaphthalene	33.3	22.5		ug/L		67	24 - 110	2	40
Dibenz[a,h]acridine	49.9	55.4		ug/L		111	40 - 140	5	40
Dibenzofuran	33.3	30.4		ug/L		91	35 - 110	2	40
3,3'-Dichlorobenzidine	33.3	21.9		ug/L		66	10 - 150	3	40
Phenanthrene	33.3	31.0		ug/L		93	32 - 115	1	40
2,4-Dichlorophenol	33.3	28.5		ug/L		85	30 - 125	5	40
Pyrene	33.3	36.8		ug/L		110	30 - 126	0	40
Diethyl phthalate	33.3	20.2		ug/L		61	31 - 118	11	40
2,4-Dimethylphenol	33.3	28.5		ug/L		85	10 - 142	7	40
Dimethyl phthalate	33.3	24.9		ug/L		75	24 - 125	4	40
Di-n-butyl phthalate	33.3	22.8		ug/L		68	30 - 127	8	40
4,6-Dinitro-ortho-cresol	66.7	53.7		ug/L		81	10 - 150	3	40
2,4-Dinitrophenol	66.7	42.0		ug/L		63	10 - 150	4	40
2,4-Dinitrotoluene	33.3	28.0		ug/L		84	30 - 129	2	40
2,6-Dinitrotoluene	33.3	28.8		ug/L		86	34 - 132	3	40
Di-n-octyl phthalate	33.3	25.2		ug/L		75	28 - 142	1	40
1,4-Dioxane	33.3	30.7		ug/L		92	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	24.0		ug/L		72	29 - 121	6	40
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113	0	40
Hexachlorocyclopentadiene	33.3	15.1	J	ug/L		45	10 - 150	9	40
Hexachloroethane	33.3	15.2		ug/L		46	10 - 112	1	40
Indene	50.0	39.3		ug/L		79	10 - 113	1	40
Isophorone	33.3	25.3		ug/L		76	29 - 125	1	40
2-Methylphenol	33.3	33.8		ug/L		101	11 - 121	4	40
3 & 4 Methylphenol	33.3	39.1		ug/L		117	10 - 150	1	40
2-Nitroaniline	33.3	31.8		ug/L		95	31 - 141	2	40
3-Nitroaniline	33.3	27.6		ug/L		83	33 - 136	6	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			33.3	29.2		ug/L		88	37 - 139	4	40
Nitrobenzene			33.3	25.7		ug/L		77	29 - 129	1	40
2-Nitrophenol			33.3	30.1		ug/L		90	31 - 142	2	40
4-Nitrophenol			66.7	70.6		ug/L		106	10 - 150	3	40
N-Nitrosodimethylamine			33.3	32.5		ug/L		97	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	28.6		ug/L		86	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	27.6		ug/L		83	62 - 132	1	40
Pentachlorophenol			66.7	62.5		ug/L		94	14 - 150	4	40
Phenol			33.3	43.4		ug/L		130	10 - 150	0	40
Pyridine			66.7	121	*+	ug/L		181	10 - 150	6	40
Quinoline			49.9	52.6		ug/L		106	50 - 150	2	40
2,4,5-Trichlorophenol			33.3	29.6		ug/L		89	27 - 136	0	40
2,4,6-Trichlorophenol			33.3	29.2		ug/L		87	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*15 - 150*
Nitrobenzene-d5	*81*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*
2-Fluorobiphenyl	*79*		*25 - 139*
2-Fluorophenol	*98*		*10 - 150*
Nitrobenzene-d5	*81*		*22 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*72*		*28 - 150*
2,4,6-Tribromophenol	*93*		*10 - 150*

Lab Sample ID: LCSD 400-715522/5-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*25 - 139*
2-Fluorophenol	*101*		*10 - 150*
Nitrobenzene-d5	*82*		*22 - 150*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-BP	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-BP	7/8/2025	0000	Water	2					2		X		
	MW23-ROX-070825	7/8/2025	0930	Water	6			4		10	X	X	X	X

400-278870 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 7252 0550 4190/ 4234 9598 5739	7/8/2025	1600
		7/9/25	950

Version: 19Sept24

CUSTODY SEALS: 1135100/ 1135101/ 1135102/ 1135103

0.2C 0.0C DRO

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7/22/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278870-1

Login Number: 278870
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2°C, 0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278871-1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/28/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW3-ROX-070825	SVOCs	Nitrobenzene-d_5	42	50-150
MW5-ROX-070825	SVOCs	Nitrobenzene-d_5	41	50-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW6B-ROX-070825 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
MW6B-ROX-070825 MS/MSD	SVOCs	Pyridine	**178/185**	3	10-150/40

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW6B-ROX-070825	VOCs	2-Chloroethyl vinyl ether	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715522/2-A LCSD 400-715522/3-A	SVOCs	Pyridine	**171/181**	6	10-150/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			

Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8270E (SVOCs)

The initial calibration verification (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-070825	SVOCs	Pyridine	**UJ**
MW1-ROX-070825	SVOCs	Pyridine	**UJ**
MW26-ROX-070825	SVOCs	Pyridine	**UJ**
MW6A-ROX-070825	SVOCs	Pyridine	**UJ**
MW6B-ROX-070825	SVOCs	Pyridine	**UJ**
MW3-ROX-070825	SVOCs	Pyridine	**UJ**
MW5-ROX-070825	SVOCs	Pyridine	**UJ**
ROST3MW-ROX-070825	SVOCs	Pyridine	**UJ**

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			

Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 10:05:04 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278871-1

Reviewed 8/28/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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7/23/2025 10:05:04 AM

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Job Narrative
400-278871-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/9/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.2°C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC). The container labels list MW-25, while the COC lists MW-26. Time matched and all other samples accounted for.

GC/MS VOA
Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-070825-8260-A (400-278871-1), P54-ROX-070825 (400-278871-3), MW1-ROX-070825 (400-278871-4), MW26-ROX-070825 (400-278871-5), MW6A-ROX-070825 (400-278871-6), MW6B-ROX-070825 (400-278871-7), TB-ROX-070825-8260-B (400-278871-8), MW3-ROX-070825 (400-278871-10), MW5-ROX-070825 (400-278871-11) and ROST3MW-ROX-070825 (400-278871-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715845 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715845 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715880 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW3-ROX-070825 (400-278871-10) and MW5-ROX-070825 (400-278871-11). These results have been reported and qualified.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples

associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-715522 and analytical batch 400-715729 recovered outside control limits for the following analytes: Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-715522 and analytical batch 400-715729 were outside control limits. Sample matrix interference is suspected.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715881 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278871-1	TB-ROX-070825-8260-A	Water	07/08/25 00:00	07/09/25 09:50
400-278871-2	TB-ROX-070825-8260SIM-A	Water	07/08/25 00:00	07/09/25 09:50
400-278871-3	P54-ROX-070825	Water	07/08/25 09:35	07/09/25 09:50
400-278871-4	MW1-ROX-070825	Water	07/08/25 10:30	07/09/25 09:50
400-278871-5	MW26-ROX-070825	Water	07/08/25 11:50	07/09/25 09:50
400-278871-6	MW6A-ROX-070825	Water	07/08/25 12:40	07/09/25 09:50
400-278871-7	MW6B-ROX-070825	Water	07/08/25 13:15	07/09/25 09:50
400-278871-8	TB-ROX-070825-8260-B	Water	07/08/25 00:00	07/09/25 09:50
400-278871-9	TB-ROX-070825-8260SIM-B	Water	07/08/25 00:00	07/09/25 09:50
400-278871-10	MW3-ROX-070825	Water	07/08/25 11:00	07/09/25 09:50
400-278871-11	MW5-ROX-070825	Water	07/08/25 12:15	07/09/25 09:50
400-278871-12	ROST3MW-ROX-070825	Water	07/08/25 13:30	07/09/25 09:50

Detection Summary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-A — Lab Sample ID: 400-278871-1

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-A — Lab Sample ID: 400-278871-2

No Detections.

Client Sample ID: P54-ROX-070825 — Lab Sample ID: 400-278871-3

No Detections.

Client Sample ID: MW1-ROX-070825 — Lab Sample ID: 400-278871-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.42	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW26-ROX-070825 — Lab Sample ID: 400-278871-5

No Detections.

Client Sample ID: MW6A-ROX-070825 — Lab Sample ID: 400-278871-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.38	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW6B-ROX-070825 — Lab Sample ID: 400-278871-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.34	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: TB-ROX-070825-8260-B — Lab Sample ID: 400-278871-8

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-B — Lab Sample ID: 400-278871-9

No Detections.

Client Sample ID: MW3-ROX-070825 — Lab Sample ID: 400-278871-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.30	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW5-ROX-070825 — Lab Sample ID: 400-278871-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.6		1.0	0.22	ug/L	1		8260D	Total/NA
tert-Butylbenzene	1.2		1.0	0.63	ug/L	1		8260D	Total/NA

Client Sample ID: ROST3MW-ROX-070825 — Lab Sample ID: 400-278871-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.66	J	1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	3.5	J	5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	0.76	J	1.0	0.69	ug/L	1		8260D	Total/NA
Acenaphthene	0.11	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.099	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.3		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.45		0.20	0.076	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-A
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:08	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:08	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:08	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:08	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:08	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:08	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:08	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:08	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:08	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:08	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:08	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:08	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-A
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:08	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:08	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:08	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:08	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:08	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 16:08*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 16:08*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 16:08*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260SIM-A
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 20:02*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 20:02*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/14/25 20:02*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: P54-ROX-070825

Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 20:25*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 20:25*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 20:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:49	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:49	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:49	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:49	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:49	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:49	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:49	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:49	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:49	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:49	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: P54-ROX-070825
Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:49	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:49	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:49	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:49	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:49	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:49	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/12/25 16:49*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 16:49*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 16:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.081	ug/L		07/09/25 07:00	07/14/25 13:19	1
Aniline	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzenethiol	ND		9.5	0.57	ug/L		07/09/25 07:00	07/14/25 13:19	1
Anthracene	ND		0.19	0.070	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzoic acid	ND		95	76	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[a]anthracene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzyl alcohol	ND		33	29	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-chloroethoxy)methane	ND		9.5	0.32	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[b]fluoranthene	ND		0.19	0.040	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-chloroethyl)ether	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1

Client Sample ID: P54-ROX-070825
Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/14/25 13:19	1
bis (2-chloroisopropyl) ether	ND		9.5	0.89	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[k]fluoranthene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-ethylhexyl) phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Bromophenyl phenyl ether	ND		9.5	0.12	ug/L		07/09/25 07:00	07/14/25 13:19	1
Chrysene	ND		0.19	0.037	ug/L		07/09/25 07:00	07/14/25 13:19	1
Butyl benzyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chloroaniline	ND		9.5	0.27	ug/L		07/09/25 07:00	07/14/25 13:19	1
Fluoranthene	ND		0.19	0.030	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chloro-3-methylphenol	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1
Fluorene	ND		0.19	0.083	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Chloronaphthalene	ND		9.5	0.36	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Chlorophenol	ND		9.5	0.80	ug/L		07/09/25 07:00	07/14/25 13:19	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.030	ug/L		07/09/25 07:00	07/14/25 13:19	1
1-Methylnaphthalene	ND		0.19	0.063	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chlorophenyl phenyl ether	ND		9.5	0.23	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenz[a,h]acridine	ND		9.5	0.66	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenzofuran	ND		9.5	0.61	ug/L		07/09/25 07:00	07/14/25 13:19	1
3,3'-Dichlorobenzidine	ND		10	0.39	ug/L		07/09/25 07:00	07/14/25 13:19	1
Phenanthrene	ND		0.19	0.042	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dichlorophenol	ND		9.5	0.54	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pyrene	ND		0.19	0.090	ug/L		07/09/25 07:00	07/14/25 13:19	1
Diethyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dimethylphenol	ND		9.5	0.23	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dimethyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
Di-n-butyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.9	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dinitrotoluene	ND		9.5	0.62	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,6-Dinitrotoluene	ND		9.5	0.28	ug/L		07/09/25 07:00	07/14/25 13:19	1
Di-n-octyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
1,4-Dioxane	ND		9.5	4.1	ug/L		07/09/25 07:00	07/14/25 13:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.89	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachlorobenzene	ND		9.5	0.24	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachlorocyclopentadiene	ND		19	0.30	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachloroethane	ND		9.5	0.50	ug/L		07/09/25 07:00	07/14/25 13:19	1
Indene	ND		9.5	0.42	ug/L		07/09/25 07:00	07/14/25 13:19	1
Isophorone	ND		9.5	0.76	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Methylphenol	ND		9.5	0.72	ug/L		07/09/25 07:00	07/14/25 13:19	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Nitroaniline	ND		9.5	1.3	ug/L		07/09/25 07:00	07/14/25 13:19	1
3-Nitroaniline	ND		9.5	0.90	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Nitroaniline	ND		9.5	3.3	ug/L		07/09/25 07:00	07/14/25 13:19	1
Nitrobenzene	ND		9.5	0.57	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Nitrophenol	ND		9.5	1.1	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Nitrophenol	ND		9.5	2.6	ug/L		07/09/25 07:00	07/14/25 13:19	1
N-Nitrosodimethylamine	ND		9.5	0.92	ug/L		07/09/25 07:00	07/14/25 13:19	1

Client Sample ID: P54-ROX-070825
Lab Sample ID: 400-278871-3
Date Collected: 07/08/25 09:35
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	0.31	ug/L		07/09/25 07:00	07/14/25 13:19	1
N-Nitrosodiphenylamine	ND		9.5	0.18	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pentachlorophenol	ND		9.5	2.7	ug/L		07/09/25 07:00	07/14/25 13:19	1
Phenol	ND		9.5	0.65	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pyridine	ND	*+ UJ	9.5	2.9	ug/L		07/09/25 07:00	07/14/25 13:19	1
Quinoline	ND		9.5	0.48	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4,5-Trichlorophenol	ND		9.5	0.51	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4,6-Trichlorophenol	ND		9.5	1.0	ug/L		07/09/25 07:00	07/14/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2-Fluorophenol	*80*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Nitrobenzene-d5	*75*		*22 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Phenol-d5	*87*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2,4,6-Tribromophenol	*79*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW1-ROX-070825

Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:49	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 20:49*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/14/25 20:49*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 20:49*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:10	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:10	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:10	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:10	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:10	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:10	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:10	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:10	1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.42**	**J**	1.0	0.22	ug/L			07/12/25 17:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:10	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:10	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:10	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:10	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:10	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/12/25 17:10*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 17:10*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 17:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/09/25 07:00	07/14/25 13:55	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/14/25 13:55	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 13:55	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 13:55	1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/14/25 13:55	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/14/25 13:55	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 13:55	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/14/25 13:55	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 13:55	1
Fluorene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/14/25 13:55	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 13:55	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/14/25 13:55	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 13:55	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/14/25 13:55	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/14/25 13:55	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/14/25 13:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/14/25 13:55	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/14/25 13:55	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/14/25 13:55	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/14/25 13:55	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/14/25 13:55	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/14/25 13:55	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/14/25 13:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/14/25 13:55	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/14/25 13:55	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/14/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2-Fluorophenol	*78*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Phenol-d5	*83*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW26-ROX-070825

Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 21:12*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 21:12*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 21:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:31	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:31	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:31	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:31	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:31	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:31	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:31	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:31	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:31	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:31	1

Client Sample ID: MW26-ROX-070825
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 17:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:31	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:31	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:31	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:31	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:31	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:31	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/12/25 17:31*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/12/25 17:31*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 17:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/14/25 14:31	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 14:31	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 14:31	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 14:31	1

Client Sample ID: MW26-ROX-070825
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 14:31	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 14:31	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 14:31	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 14:31	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 14:31	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/14/25 14:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 14:31	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 14:31	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 14:31	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/14/25 14:31	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 14:31	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 14:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 14:31	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 14:31	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/14/25 14:31	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 14:31	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 14:31	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/14/25 14:31	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/14/25 14:31	1

Client Sample ID: MW26-ROX-070825
Lab Sample ID: 400-278871-5
Date Collected: 07/08/25 11:50
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 14:31	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 14:31	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Nitrobenzene-d5	*80*		*22 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Phenol-d5	*115*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2,4,6-Tribromophenol	*80*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW6A-ROX-070825

Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 21:35*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 21:35*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/14/25 21:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:52	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:52	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:52	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:52	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:52	1

Client Sample ID: MW6A-ROX-070825
Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.38**	**J**	1.0	0.22	ug/L			07/12/25 17:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:52	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:52	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/12/25 17:52*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/12/25 17:52*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 17:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/14/25 15:07	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 15:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 15:07	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzoic acid	ND		100	81	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 15:07	1

Client Sample ID: MW6A-ROX-070825
Lab Sample ID: 400-278871-6
Date Collected: 07/08/25 12:40
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 15:07	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 15:07	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 15:07	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 15:07	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 15:07	1
Fluorene	ND		0.20	0.088	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Chlorophenol	ND		10	0.85	ug/L		07/09/25 07:00	07/14/25 15:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 15:07	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 15:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 15:07	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pyrene	ND		0.20	0.096	ug/L		07/09/25 07:00	07/14/25 15:07	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 15:07	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 15:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 15:07	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 15:07	1
Isophorone	ND		10	0.81	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Methylphenol	ND		10	0.77	ug/L		07/09/25 07:00	07/14/25 15:07	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 15:07	1
3-Nitroaniline	ND		10	0.96	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 15:07	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Nitrophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 15:07	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		07/09/25 07:00	07/14/25 15:07	1

Client Sample ID: MW6A-ROX-070825
Lab Sample ID: 400-278871-6
Date Collected: 07/08/25 12:40
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 15:07	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 15:07	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Terphenyl-d14	*46*		*43 - 147*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2-Fluorophenol	*104*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Phenol-d5	*118*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Terphenyl-d14	*46*		*28 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2,4,6-Tribromophenol	*83*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW6B-ROX-070825

Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 15:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/15/25 15:17*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 15:17*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/15/25 15:17*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 13:01	1
Acrolein	ND		20	3.3	ug/L			07/12/25 13:01	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 13:01	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 13:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 13:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 13:01	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 13:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 13:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 13:01	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 13:01	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 13:01	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/12/25 13:01	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 13:01	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 13:01	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 13:01	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 13:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 13:01	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 13:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 13:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 13:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 13:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 13:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 13:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 13:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 13:01	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 13:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 13:01	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 13:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 13:01	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.22	ug/L			07/12/25 13:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 13:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 13:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 13:01	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 13:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 13:01	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 13:01	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 13:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 13:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 13:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 13:01	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 13:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 13:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 13:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 13:01	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 13:01	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 13:01	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 13:01	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 13:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 13:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 13:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 13:01	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 13:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 13:01*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/12/25 13:01*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 13:01*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.082	ug/L		07/09/25 07:00	07/11/25 19:38	1
Aniline	ND		9.7	0.72	ug/L		07/09/25 07:00	07/11/25 19:38	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzenethiol	ND		9.7	0.58	ug/L		07/09/25 07:00	07/11/25 19:38	1
Anthracene	ND		0.19	0.071	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzoic acid	ND		97	77	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/09/25 07:00	07/11/25 19:38	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/11/25 19:38	1
bis (2-chloroisopropyl) ether	ND		9.7	0.90	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/09/25 07:00	07/11/25 19:38	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/11/25 19:38	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/09/25 07:00	07/11/25 19:38	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/09/25 07:00	07/11/25 19:38	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Chlorophenol	ND		9.7	0.81	ug/L		07/09/25 07:00	07/11/25 19:38	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/11/25 19:38	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenzofuran	ND		9.7	0.62	ug/L		07/09/25 07:00	07/11/25 19:38	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 07:00	07/11/25 19:38	1
Phenanthrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pyrene	ND		0.19	0.092	ug/L		07/09/25 07:00	07/11/25 19:38	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/09/25 07:00	07/11/25 19:38	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/09/25 07:00	07/11/25 19:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.90	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachloroethane	ND		9.7	0.51	ug/L		07/09/25 07:00	07/11/25 19:38	1
Indene	ND		9.7	0.43	ug/L		07/09/25 07:00	07/11/25 19:38	1
Isophorone	ND		9.7	0.77	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/09/25 07:00	07/11/25 19:38	1
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/09/25 07:00	07/11/25 19:38	1
3-Nitroaniline	ND		9.7	0.92	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/09/25 07:00	07/11/25 19:38	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/11/25 19:38	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/09/25 07:00	07/11/25 19:38	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/09/25 07:00	07/11/25 19:38	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/11/25 19:38	1
Phenol	ND		9.7	0.66	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pyridine	ND	*+ FUJ	9.7	2.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Quinoline	ND		9.7	0.48	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/11/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Terphenyl-d14	*44*		*43 - 147*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2-Fluorobiphenyl	*78*		*25 - 139*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2-Fluorophenol	*93*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Nitrobenzene-d5	*81*		*22 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Phenol-d5	*102*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Terphenyl-d14	*44*		*28 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-B
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:29	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:29	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:29	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:29	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:29	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:29	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:29	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:29	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:29	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:29	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:29	1

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-B
Lab Sample ID: 400-278871-8
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:29	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:29	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:29	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:29	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/12/25 16:29*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/12/25 16:29*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 16:29*	*1*

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260SIM-B
Lab Sample ID: 400-278871-9
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 18:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 18:28*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 18:28*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 18:28*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW3-ROX-070825

Date Collected: 07/08/25 11:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-10

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:59	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*50 - 150*		*07/14/25 21:59*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 21:59*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 21:59*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 18:33	1
Acrolein	ND		20	3.3	ug/L			07/12/25 18:33	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 18:33	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 18:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 18:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 18:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 18:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 18:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 18:33	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 18:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 18:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 18:33	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 18:33	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 18:33	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 18:33	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 18:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 18:33	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 18:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 18:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 18:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 18:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 18:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 18:33	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 18:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 18:33	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 18:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 18:33	1

Client Sample ID: MW3-ROX-070825
Date Collected: 07/08/25 11:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.22	ug/L			07/12/25 18:33	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 18:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 18:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 18:33	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 18:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 18:33	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 18:33	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 18:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 18:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 18:33	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 18:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 18:33	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 18:33	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 18:33	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 18:33	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 18:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 18:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 18:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 18:33	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 18:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/12/25 18:33*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/12/25 18:33*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 18:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.083	ug/L		07/09/25 07:00	07/14/25 15:44	1
Aniline	ND		9.7	0.72	ug/L		07/09/25 07:00	07/14/25 15:44	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzenethiol	ND		9.7	0.58	ug/L		07/09/25 07:00	07/14/25 15:44	1
Anthracene	ND		0.19	0.071	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzoic acid	ND		97	78	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/09/25 07:00	07/14/25 15:44	1

Client Sample ID: MW3-ROX-070825
Lab Sample ID: 400-278871-10
Date Collected: 07/08/25 11:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/14/25 15:44	1
bis (2-chloroisopropyl) ether	ND		9.7	0.90	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/09/25 07:00	07/14/25 15:44	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 15:44	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/09/25 07:00	07/14/25 15:44	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/09/25 07:00	07/14/25 15:44	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Chlorophenol	ND		9.7	0.82	ug/L		07/09/25 07:00	07/14/25 15:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/14/25 15:44	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenzofuran	ND		9.7	0.62	ug/L		07/09/25 07:00	07/14/25 15:44	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 07:00	07/14/25 15:44	1
Phenanthrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pyrene	ND		0.19	0.092	ug/L		07/09/25 07:00	07/14/25 15:44	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/09/25 07:00	07/14/25 15:44	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/09/25 07:00	07/14/25 15:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.90	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachloroethane	ND		9.7	0.51	ug/L		07/09/25 07:00	07/14/25 15:44	1
Indene	ND		9.7	0.43	ug/L		07/09/25 07:00	07/14/25 15:44	1
Isophorone	ND		9.7	0.78	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/09/25 07:00	07/14/25 15:44	1
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/09/25 07:00	07/14/25 15:44	1
3-Nitroaniline	ND		9.7	0.92	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/09/25 07:00	07/14/25 15:44	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/14/25 15:44	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/09/25 07:00	07/14/25 15:44	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW3-ROX-070825
Date Collected: 07/08/25 11:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/09/25 07:00	07/14/25 15:44	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/14/25 15:44	1
Phenol	ND		9.7	0.66	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pyridine	ND	*+ UJ	9.7	2.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Quinoline	ND		9.7	0.49	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/14/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Nitrobenzene-d5	*42*	*S1-*	*50 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Terphenyl-d14	*45*		*43 - 147*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2-Fluorophenol	*93*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Nitrobenzene-d5	*42*		*22 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Phenol-d5	*109*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Terphenyl-d14	*45*		*28 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW5-ROX-070825

Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 22:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/14/25 22:22*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 22:22*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/14/25 22:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 18:54	1
Acrolein	ND		20	3.3	ug/L			07/12/25 18:54	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 18:54	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 18:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 18:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 18:54	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 18:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 18:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 18:54	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 18:54	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 18:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 18:54	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 18:54	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 18:54	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 18:54	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 18:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 18:54	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 18:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 18:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 18:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 18:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 18:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 18:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 18:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 18:54	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 18:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 18:54	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 18:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 18:54	1

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**2.6**		1.0	0.22	ug/L			07/12/25 18:54	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 18:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 18:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 18:54	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 18:54	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 18:54	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 18:54	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 18:54	1
tert-Butylbenzene	**1.2**		1.0	0.63	ug/L			07/12/25 18:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 18:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 18:54	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 18:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 18:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 18:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 18:54	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 18:54	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 18:54	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 18:54	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 18:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 18:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 18:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 18:54	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 18:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 18:54*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/12/25 18:54*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 18:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/14/25 16:20	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 16:20	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 16:20	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 16:20	1

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 16:20	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 16:20	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 16:20	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 16:20	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 16:20	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/14/25 16:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:20	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 16:20	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 16:20	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/14/25 16:20	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 16:20	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 16:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 16:20	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 16:20	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/14/25 16:20	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 16:20	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 16:20	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/14/25 16:20	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/14/25 16:20	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 16:20	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 16:20	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Nitrobenzene-d5	*41*	*S1-*	*50 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Terphenyl-d14	*48*		*43 - 147*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2-Fluorophenol	*82*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Nitrobenzene-d5	*41*		*22 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Phenol-d5	*92*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Terphenyl-d14	*48*		*28 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST3MW-ROX-070825
Lab Sample ID: 400-278871-12

Date Collected: 07/08/25 13:30
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 22:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*50 - 150*		*07/14/25 22:46*	*1*
Toluene-d8 (Surr)	*105*		*50 - 150*		*07/14/25 22:46*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/14/25 22:46*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 19:15	1
Acrolein	ND		20	3.3	ug/L			07/12/25 19:15	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 19:15	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 19:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 19:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 19:15	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 19:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 19:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 19:15	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 19:15	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 19:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 19:15	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 19:15	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 19:15	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 19:15	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 19:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 19:15	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 19:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 19:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 19:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 19:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 19:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 19:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 19:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 19:15	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 19:15	1
Isopropylbenzene	**0.66**	**J**	1.0	0.53	ug/L			07/12/25 19:15	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 19:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 19:15	1

Client Sample ID: ROST3MW-ROX-070825
Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 19:15	1
m-Xylene & p-Xylene	**3.5**	**J**	5.0	3.0	ug/L			07/12/25 19:15	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 19:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 19:15	1
N-Propylbenzene	**0.76**	**J**	1.0	0.69	ug/L			07/12/25 19:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 19:15	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 19:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 19:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 19:15	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 19:15	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 19:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 19:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 19:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 19:15	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 19:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 19:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 19:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 19:15	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 19:15	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 19:15	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 19:15	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 19:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 19:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 19:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 19:15	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 19:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*07/12/25 19:15*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*07/12/25 19:15*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 19:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.11**	**J**	0.20	0.084	ug/L		07/09/25 07:00	07/14/25 16:56	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/14/25 16:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 16:56	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 16:56	1

Client Sample ID: ROST3MW-ROX-070825
Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/14/25 16:56	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/14/25 16:56	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 16:56	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/14/25 16:56	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 16:56	1
Fluorene	**0.099**	**J**	0.20	0.086	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/14/25 16:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:56	1
1-Methylnaphthalene	**1.3**		0.20	0.065	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Methylnaphthalene	**0.45**		0.20	0.076	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/14/25 16:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 16:56	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/14/25 16:56	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/14/25 16:56	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/14/25 16:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/14/25 16:56	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/14/25 16:56	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/14/25 16:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/14/25 16:56	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/14/25 16:56	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/14/25 16:56	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/14/25 16:56	1

Client Sample ID: ROST3MW-ROX-070825
Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/14/25 16:56	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/14/25 16:56	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/14/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2-Fluorophenol	*96*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Phenol-d5	*104*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278871-1	TB-ROX-070825-8260-A	101	104	102
400-278871-3	P54-ROX-070825	102	104	103
400-278871-4	MW1-ROX-070825	100	104	102
400-278871-5	MW26-ROX-070825	104	103	103
400-278871-6	MW6A-ROX-070825	100	102	102
400-278871-7	MW6B-ROX-070825	101	105	103
400-278871-7 MS	MW6B-ROX-070825	98	95	103
400-278871-7 MSD	MW6B-ROX-070825	103	94	102
400-278871-8	TB-ROX-070825-8260-B	102	103	104
400-278871-10	MW3-ROX-070825	103	101	104
400-278871-11	MW5-ROX-070825	101	102	102
400-278871-12	ROST3MW-ROX-070825	105	97	104
LCS 400-715845/1002	Lab Control Sample	100	95	100
MB 400-715845/4	Method Blank	108	100	105

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278871-2	TB-ROX-070825-8260SIM-A	105	98	103
400-278871-3	P54-ROX-070825	106	98	102
400-278871-4	MW1-ROX-070825	105	99	102
400-278871-5	MW26-ROX-070825	106	98	102
400-278871-6	MW6A-ROX-070825	106	97	98
400-278871-7	MW6B-ROX-070825	106	97	101
400-278871-7 MS	MW6B-ROX-070825	104	98	101
400-278871-7 MSD	MW6B-ROX-070825	104	99	101
400-278871-9	TB-ROX-070825-8260SIM-B	106	97	101
400-278871-10	MW3-ROX-070825	102	97	101
400-278871-11	MW5-ROX-070825	100	97	104
400-278871-12	ROST3MW-ROX-070825	96	105	104
LCS 400-715943/1004	Lab Control Sample	95	102	105
LCS 400-716033/1004	Lab Control Sample	98	99	101
MB 400-715943/6	Method Blank	103	98	105
MB 400-716033/5	Method Blank	104	98	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278871-3	P54-ROX-070825	72	75	51	72	80	75	87	51
400-278871-4	MW1-ROX-070825	79	85	61	79	78	85	83	61
400-278871-5	MW26-ROX-070825	77	80	51	77	100	80	115	51
400-278871-6	MW6A-ROX-070825	76	83	46	76	104	83	118	46
400-278871-7	MW6B-ROX-070825	78	81	44	78	93	81	102	44
400-278871-7 MS	MW6B-ROX-070825	80	86	48	80	116	86	140	48
400-278871-7 MSD	MW6B-ROX-070825	87	94	47	87	102	94	126	47
400-278871-10	MW3-ROX-070825	77	42 S1-	45	77	93	42	109	45
400-278871-11	MW5-ROX-070825	72	41 S1-	48	72	82	41	92	48
400-278871-12	ROST3MW-ROX-070825	84	87	58	84	96	87	104	58
LCS 400-715522/2-A	Lab Control Sample	72	75	67	72	95	75	116	67
LCS 400-715522/4-A	Lab Control Sample				75	93	76	109	66
LCSD 400-715522/3-A	Lab Control Sample Dup	79	81	72	79	98	81	119	72
LCSD 400-715522/5-A	Lab Control Sample Dup				78	101	82	118	74
MB 400-715522/1-A	Method Blank	77	79	65	77	68	79	71	65

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-278871-3	P54-ROX-070825	79							
400-278871-4	MW1-ROX-070825	77							
400-278871-5	MW26-ROX-070825	80							
400-278871-6	MW6A-ROX-070825	83							
400-278871-7	MW6B-ROX-070825	75							
400-278871-7 MS	MW6B-ROX-070825	109							
400-278871-7 MSD	MW6B-ROX-070825	95							
400-278871-10	MW3-ROX-070825	71							
400-278871-11	MW5-ROX-070825	76							
400-278871-12	ROST3MW-ROX-070825	89							
LCS 400-715522/2-A	Lab Control Sample	92							
LCS 400-715522/4-A	Lab Control Sample	74							
LCSD 400-715522/3-A	Lab Control Sample Dup	93							
LCSD 400-715522/5-A	Lab Control Sample Dup	74							
MB 400-715522/1-A	Method Blank	77							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-070825-8260-A
Lab Sample ID: 400-278871-1
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:08	BPO	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-A
Lab Sample ID: 400-278871-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:02	SRK	EET PEN

Client Sample ID: P54-ROX-070825
Lab Sample ID: 400-278871-3
Date Collected: 07/08/25 09:35
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:49	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:25	SRK	EET PEN
Total/NA	Prep	3511			31.5 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 13:19	JAW	EET PEN
Total/NA	Prep	3511			31.5 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 13:19	JAW	EET PEN

Client Sample ID: MW1-ROX-070825
Lab Sample ID: 400-278871-4
Date Collected: 07/08/25 10:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:10	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:49	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 13:55	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 13:55	JAW	EET PEN

Client Sample ID: MW26-ROX-070825
Lab Sample ID: 400-278871-5
Date Collected: 07/08/25 11:50
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:31	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:12	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 14:31	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 14:31	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6A-ROX-070825
Lab Sample ID: 400-278871-6
Date Collected: 07/08/25 12:40
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:52	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:35	SRK	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 15:07	JAW	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 15:07	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 13:01	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 15:17	NMB	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 19:38	JAW	EET PEN

Client Sample ID: TB-ROX-070825-8260-B
Lab Sample ID: 400-278871-8
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:29	BPO	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-B
Lab Sample ID: 400-278871-9
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 18:28	SRK	EET PEN

Client Sample ID: MW3-ROX-070825
Lab Sample ID: 400-278871-10
Date Collected: 07/08/25 11:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 18:33	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:59	SRK	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 15:44	JAW	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 15:44	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW5-ROX-070825
Lab Sample ID: 400-278871-11
Date Collected: 07/08/25 12:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 18:54	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 22:22	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 16:20	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 16:20	JAW	EET PEN

Client Sample ID: ROST3MW-ROX-070825
Lab Sample ID: 400-278871-12
Date Collected: 07/08/25 13:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 19:15	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 22:46	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 16:56	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 16:56	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715522/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:03	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715845/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 12:40	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716033/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:46	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:39	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715845/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 11:39	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716033/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:08	NMB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 14:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:15	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 15:27	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7 MS
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 15:05	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 15:41	NMB	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 20:14	JAW	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 20:14	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7 MSD
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 15:26	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 16:04	NMB	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 20:50	JAW	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 20:50	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-1	TB-ROX-070825-8260-A	Total/NA	Water	8260D	
400-278871-3	P54-ROX-070825	Total/NA	Water	8260D	
400-278871-4	MW1-ROX-070825	Total/NA	Water	8260D	
400-278871-5	MW26-ROX-070825	Total/NA	Water	8260D	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8260D	
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8260D	
400-278871-8	TB-ROX-070825-8260-B	Total/NA	Water	8260D	
400-278871-10	MW3-ROX-070825	Total/NA	Water	8260D	
400-278871-11	MW5-ROX-070825	Total/NA	Water	8260D	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8260D	
MB 400-715845/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715845/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8260D	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-2	TB-ROX-070825-8260SIM-A	Total/NA	Water	8260D SIM	
400-278871-3	P54-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-4	MW1-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-5	MW26-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-9	TB-ROX-070825-8260SIM-B	Total/NA	Water	8260D SIM	
400-278871-10	MW3-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-11	MW5-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-716033/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716033/1004	Lab Control Sample	Total/NA	Water	8260D SIM	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 715522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	3511	
400-278871-4	MW1-ROX-070825	Total/NA	Water	3511	
400-278871-5	MW26-ROX-070825	Total/NA	Water	3511	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	3511	
400-278871-7	MW6B-ROX-070825	Total/NA	Water	3511	
400-278871-10	MW3-ROX-070825	Total/NA	Water	3511	
400-278871-11	MW5-ROX-070825	Total/NA	Water	3511	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	3511	
MB 400-715522/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	3511	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	3511	

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8270E	715522
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8270E	715522
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	8270E	715522
400-278871-4	MW1-ROX-070825	Total/NA	Water	8270E	715522
400-278871-5	MW26-ROX-070825	Total/NA	Water	8270E	715522
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8270E	715522
400-278871-10	MW3-ROX-070825	Total/NA	Water	8270E	715522
400-278871-11	MW5-ROX-070825	Total/NA	Water	8270E	715522
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	8270E	715522
400-278871-4	MW1-ROX-070825	Total/NA	Water	8270E	715522
400-278871-5	MW26-ROX-070825	Total/NA	Water	8270E	715522
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8270E	715522
400-278871-10	MW3-ROX-070825	Total/NA	Water	8270E	715522
400-278871-11	MW5-ROX-070825	Total/NA	Water	8270E	715522
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8270E	715522

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715845/4
Matrix: Water
Analysis Batch: 715845

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 12:40	1
Acrolein	ND		20	3.3	ug/L			07/12/25 12:40	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 12:40	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 12:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 12:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 12:40	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 12:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 12:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 12:40	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 12:40	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 12:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 12:40	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 12:40	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 12:40	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 12:40	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 12:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 12:40	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 12:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 12:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 12:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 12:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 12:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 12:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 12:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 12:40	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 12:40	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 12:40	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 12:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 12:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 12:40	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 12:40	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 12:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 12:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 12:40	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 12:40	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715845/4
Matrix: Water
Analysis Batch: 715845

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 12:40	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 12:40	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 12:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 12:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 12:40	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 12:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 12:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 12:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 12:40	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 12:40	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 12:40	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 12:40	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 12:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 12:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 12:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 12:40	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 12:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*07/12/25 12:40*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*07/12/25 12:40*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*07/12/25 12:40*	*1*

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	251		ug/L		126	43 - 150
Acrolein	500	485		ug/L		97	38 - 150
Acrylonitrile	500	512		ug/L		102	64 - 142
Benzene	50.0	52.2		ug/L		104	70 - 130
Bromobenzene	50.0	49.9		ug/L		100	70 - 132
Bromochloromethane	50.0	48.1		ug/L		96	70 - 130
Bromodichloromethane	50.0	49.4		ug/L		99	67 - 133
Bromoform	50.0	48.1		ug/L		96	57 - 140
Bromomethane	50.0	38.7		ug/L		77	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	47.2		ug/L		94	61 - 137
Carbon tetrachloride	50.0	48.0		ug/L		96	61 - 137
Chlorobenzene	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	40.2		ug/L		80	55 - 141
2-Chloroethyl vinyl ether	50.0	51.5		ug/L		103	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	47.5		ug/L		95	69 - 130
1-Chlorohexane	50.0	56.6		ug/L		113	69 - 130
Chloromethane	50.0	43.5		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	56.4		ug/L		113	68 - 130
cis-1,3-Dichloropropene	50.0	51.7		ug/L		103	69 - 132
Dibromochloromethane	50.0	50.5		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	51.4		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	53.9		ug/L		108	70 - 130
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	42.7		ug/L		85	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	47.9		ug/L		96	63 - 134
1,2-Dichloropropane	50.0	51.8		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	47.3		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	53.5		ug/L		107	70 - 130
Ethyl methacrylate	50.0	55.3		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	51.4		ug/L		103	53 - 140
2-Hexanone	200	272		ug/L		136	65 - 137
Isopropylbenzene	50.0	53.3		ug/L		107	70 - 130
Methylene bromide	50.0	48.4		ug/L		97	70 - 130
Methylene Chloride	50.0	43.5		ug/L		87	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.6		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	53.2		ug/L		106	70 - 130
Naphthalene	50.0	51.9		ug/L		104	47 - 149
n-Butylbenzene	50.0	57.6		ug/L		115	67 - 130
N-Propylbenzene	50.0	54.3		ug/L		109	70 - 130
o-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
o-Xylene	50.0	52.7		ug/L		105	70 - 130
p-Chlorotoluene	50.0	53.8		ug/L		108	70 - 130
p-Isopropyltoluene	50.0	55.2		ug/L		110	65 - 130
sec-Butylbenzene	50.0	55.2		ug/L		110	66 - 130
Styrene	50.0	51.8		ug/L		104	70 - 130
tert-Butylbenzene	50.0	52.5		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	70 - 131
Tetrachloroethene	50.0	55.3		ug/L		111	65 - 130
Toluene	50.0	52.1		ug/L		104	70 - 130
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	54.0		ug/L		108	63 - 130
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.1		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	68 - 130
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	43.0		ug/L		86	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	53.0		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	50.0	55.2		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	56.3		ug/L		113	69 - 130
Vinyl acetate	100	93.7		ug/L		94	26 - 150
Vinyl chloride	50.0	47.0		ug/L		94	59 - 136
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	91.3		ug/L		46	43 - 150
Acrolein	ND		500	508		ug/L		102	38 - 150
Acrylonitrile	ND		500	543		ug/L		109	62 - 149
Benzene	ND		50.0	52.7		ug/L		105	56 - 142
Bromobenzene	ND		50.0	46.6		ug/L		93	59 - 136
Bromochloromethane	ND		50.0	49.8		ug/L		100	64 - 140
Bromodichloromethane	ND		50.0	49.3		ug/L		99	59 - 143
Bromoform	ND		50.0	48.0		ug/L		96	50 - 140
Bromomethane	ND		50.0	38.2		ug/L		76	10 - 150
2-Butanone (MEK)	ND		200	137		ug/L		69	55 - 150
Carbon disulfide	ND		50.0	47.3		ug/L		95	48 - 150
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145
Chlorobenzene	ND		50.0	50.9		ug/L		102	64 - 130
Chloroethane	ND		50.0	39.3		ug/L		79	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	49.5		ug/L		99	60 - 141
1-Chlorohexane	ND		50.0	50.2		ug/L		100	56 - 136
Chloromethane	ND		50.0	43.7		ug/L		87	49 - 148
cis-1,2-Dichloroethene	ND		50.0	48.8		ug/L		98	59 - 143
cis-1,3-Dichloropropene	ND		50.0	50.9		ug/L		102	57 - 140
Dibromochloromethane	ND		50.0	51.5		ug/L		103	56 - 143
1,2-Dichlorobenzene	ND		50.0	48.4		ug/L		97	52 - 137
1,3-Dichlorobenzene	ND		50.0	45.5		ug/L		91	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.0		ug/L		96	53 - 135
Dichlorodifluoromethane	ND		50.0	41.6		ug/L		83	16 - 150
1,1-Dichloroethane	ND		50.0	50.4		ug/L		101	61 - 144
1,2-Dichloroethane	ND		50.0	51.1		ug/L		102	60 - 141
1,1-Dichloroethene	ND		50.0	48.9		ug/L		98	54 - 147
1,2-Dichloropropane	ND		50.0	53.2		ug/L		106	66 - 137
1,3-Dichloropropane	ND		50.0	54.9		ug/L		110	66 - 133
2,2-Dichloropropane	ND		50.0	45.5		ug/L		91	42 - 144

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	ND		50.0	49.1		ug/L		98	65 - 136
Ethylbenzene	ND		50.0	49.7		ug/L		99	58 - 131
Ethyl methacrylate	ND		50.0	56.5		ug/L		113	64 - 130
Hexachlorobutadiene	ND		50.0	38.7		ug/L		77	31 - 149
2-Hexanone	ND		200	176		ug/L		88	65 - 140
Isopropylbenzene	ND		50.0	47.1		ug/L		94	56 - 133
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138
Methylene Chloride	ND		50.0	45.3		ug/L		91	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	218		ug/L		109	63 - 146
Methyl tert-butyl ether	0.34	J	50.0	50.6		ug/L		101	59 - 137
m-Xylene & p-Xylene	ND		50.0	48.8		ug/L		98	57 - 130
Naphthalene	ND		50.0	50.4		ug/L		101	25 - 150
n-Butylbenzene	ND		50.0	46.8		ug/L		94	41 - 142
N-Propylbenzene	ND		50.0	46.4		ug/L		93	51 - 138
o-Chlorotoluene	ND		50.0	46.3		ug/L		93	53 - 134
o-Xylene	ND		50.0	49.4		ug/L		99	61 - 130
p-Chlorotoluene	ND		50.0	47.1		ug/L		94	54 - 133
p-Isopropyltoluene	ND		50.0	45.3		ug/L		91	48 - 139
sec-Butylbenzene	ND		50.0	45.2		ug/L		90	50 - 138
Styrene	ND		50.0	49.0		ug/L		98	58 - 131
tert-Butylbenzene	ND		50.0	45.3		ug/L		91	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.1		ug/L		102	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	54.6		ug/L		109	66 - 135
Tetrachloroethene	ND		50.0	44.8		ug/L		90	52 - 133
Toluene	ND		50.0	51.4		ug/L		103	65 - 130
trans-1,2-Dichloroethene	ND		50.0	48.9		ug/L		98	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.7		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	44.5		ug/L		89	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	42.5		ug/L		85	39 - 148
1,1,1-Trichloroethane	ND		50.0	47.3		ug/L		95	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.3		ug/L		109	66 - 131
Trichloroethene	ND		50.0	46.3		ug/L		93	64 - 136
Trichlorofluoromethane	ND		50.0	43.6		ug/L		87	54 - 150
1,2,3-Trichloropropane	ND		50.0	55.3		ug/L		111	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	48.3		ug/L		97	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	48.4		ug/L		97	52 - 135
Vinyl acetate	ND		100	94.2		ug/L		94	26 - 150
Vinyl chloride	ND		50.0	46.6		ug/L		93	46 - 150
Xylenes, Total	ND		100	98.2		ug/L		98	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	96.2		ug/L		48	43 - 150	5	30
Acrolein	ND		500	504		ug/L		101	38 - 150	1	31
Acrylonitrile	ND		500	565		ug/L		113	62 - 149	4	30
Benzene	ND		50.0	53.9		ug/L		108	56 - 142	2	30
Bromobenzene	ND		50.0	47.8		ug/L		96	59 - 136	2	30
Bromochloromethane	ND		50.0	49.9		ug/L		100	64 - 140	0	30
Bromodichloromethane	ND		50.0	50.9		ug/L		102	59 - 143	3	30
Bromoform	ND		50.0	50.7		ug/L		101	50 - 140	5	30
Bromomethane	ND		50.0	41.0		ug/L		82	10 - 150	7	50
2-Butanone (MEK)	ND		200	141		ug/L		71	55 - 150	3	30
Carbon disulfide	ND		50.0	49.2		ug/L		98	48 - 150	4	30
Carbon tetrachloride	ND		50.0	48.5		ug/L		97	55 - 145	3	30
Chlorobenzene	ND		50.0	50.1		ug/L		100	64 - 130	2	30
Chloroethane	ND		50.0	42.9		ug/L		86	50 - 150	9	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	50.0		ug/L		100	60 - 141	1	30
1-Chlorohexane	ND		50.0	49.4		ug/L		99	56 - 136	2	30
Chloromethane	ND		50.0	45.0		ug/L		90	49 - 148	3	31
cis-1,2-Dichloroethene	ND		50.0	50.5		ug/L		101	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140	3	30
Dibromochloromethane	ND		50.0	52.0		ug/L		104	56 - 143	1	30
1,2-Dichlorobenzene	ND		50.0	47.4		ug/L		95	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	44.4		ug/L		89	54 - 135	2	30
1,4-Dichlorobenzene	ND		50.0	46.7		ug/L		93	53 - 135	3	30
Dichlorodifluoromethane	ND		50.0	42.3		ug/L		85	16 - 150	2	31
1,1-Dichloroethane	ND		50.0	52.0		ug/L		104	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	51.1		ug/L		102	60 - 141	0	30
1,1-Dichloroethene	ND		50.0	50.1		ug/L		100	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	54.7		ug/L		109	66 - 137	3	30
1,3-Dichloropropane	ND		50.0	55.6		ug/L		111	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	46.8		ug/L		94	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	51.6		ug/L		103	65 - 136	5	30
Ethylbenzene	ND		50.0	49.1		ug/L		98	58 - 131	1	30
Ethyl methacrylate	ND		50.0	61.0		ug/L		122	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	36.7		ug/L		73	31 - 149	5	36
2-Hexanone	ND		200	196		ug/L		98	65 - 140	10	30
Isopropylbenzene	ND		50.0	45.4		ug/L		91	56 - 133	4	30
Methylene bromide	ND		50.0	50.2		ug/L		100	63 - 138	1	30
Methylene Chloride	ND		50.0	47.7		ug/L		95	60 - 146	5	32
4-Methyl-2-pentanone (MIBK)	ND		200	231		ug/L		116	63 - 146	6	30
Methyl tert-butyl ether	0.34	J	50.0	53.5		ug/L		106	59 - 137	5	30
m-Xylene & p-Xylene	ND		50.0	47.6		ug/L		95	57 - 130	2	30
Naphthalene	ND		50.0	53.0		ug/L		106	25 - 150	5	30
n-Butylbenzene	ND		50.0	43.3		ug/L		87	41 - 142	8	31
N-Propylbenzene	ND		50.0	45.6		ug/L		91	51 - 138	2	30
o-Chlorotoluene	ND		50.0	45.8		ug/L		92	53 - 134	1	30
o-Xylene	ND		50.0	48.1		ug/L		96	61 - 130	3	30
p-Chlorotoluene	ND		50.0	46.8		ug/L		94	54 - 133	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	43.4		ug/L		87	48 - 139	4	30
sec-Butylbenzene	ND		50.0	44.1		ug/L		88	50 - 138	3	30
Styrene	ND		50.0	47.3		ug/L		95	58 - 131	4	30
tert-Butylbenzene	ND		50.0	45.0		ug/L		90	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.0		ug/L		102	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	59.7		ug/L		119	66 - 135	9	30
Tetrachloroethene	ND		50.0	44.9		ug/L		90	52 - 133	0	30
Toluene	ND		50.0	52.0		ug/L		104	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	50.8		ug/L		102	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	55.4		ug/L		111	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	44.9		ug/L		90	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	42.3		ug/L		85	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	48.7		ug/L		97	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	55.3		ug/L		111	66 - 131	2	30
Trichloroethene	ND		50.0	47.7		ug/L		95	64 - 136	3	30
Trichlorofluoromethane	ND		50.0	42.5		ug/L		85	54 - 150	3	30
1,2,3-Trichloropropane	ND		50.0	59.5		ug/L		119	65 - 133	7	30
1,2,4-Trimethylbenzene	ND		50.0	47.6		ug/L		95	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	48.0		ug/L		96	52 - 135	1	30
Vinyl acetate	ND		100	97.0		ug/L		97	26 - 150	3	33
Vinyl chloride	ND		50.0	46.8		ug/L		94	46 - 150	1	30
Xylenes, Total	ND		100	95.7		ug/L		96	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/14/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 14:11*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/14/25 14:11*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.457		ug/L		91	50 - 150		
1,2-Dibromoethane			0.500	0.519		ug/L		104	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*102*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

Lab Sample ID: MB 400-716033/5
Matrix: Water
Analysis Batch: 716033

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/15/25 11:46*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 11:46*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 11:46*	*1*

Lab Sample ID: LCS 400-716033/1004
Matrix: Water
Analysis Batch: 716033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.448		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.502		ug/L		100	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 716033

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.500	0.511		ug/L		102	50 - 150		
1,2-Dibromoethane	ND		0.500	0.495		ug/L		99	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 716033

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.500	0.577		ug/L		115	50 - 150	12	50
1,2-Dibromoethane	ND		0.500	0.573		ug/L		115	50 - 150	15	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/11/25 13:03	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/11/25 13:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/11/25 13:03	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/11/25 13:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 13:03	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/11/25 13:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 13:03	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/11/25 13:03	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/11/25 13:03	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/11/25 13:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/11/25 13:03	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/11/25 13:03	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyridine	ND		10	3.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/11/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorophenol	*68*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Phenol-d5	*71*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.4		ug/L		73	29 - 110
Aniline	33.3	33.8		ug/L		101	10 - 134
Acenaphthylene	33.3	25.3		ug/L		76	30 - 112
Anthracene	33.3	31.7		ug/L		95	31 - 120
Benzoic acid	214	139		ug/L		65	10 - 180
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118
Benzyl alcohol	33.3	32.1	J	ug/L		96	10 - 150
Benzo[a]pyrene	33.3	29.4		ug/L		88	29 - 120
Bis(2-chloroethoxy)methane	33.3	31.3		ug/L		94	34 - 120
Benzo[b]fluoranthene	33.3	30.9		ug/L		93	32 - 119
Bis(2-chloroethyl)ether	33.3	26.9		ug/L		81	32 - 114
Benzo[g,h,i]perylene	33.3	26.9		ug/L		81	28 - 115
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	30.6		ug/L		92	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	25.7		ug/L		77	24 - 133
4-Bromophenyl phenyl ether	33.3	27.4		ug/L		82	24 - 120
Chrysene	33.3	30.1		ug/L		90	34 - 113
Butyl benzyl phthalate	33.3	27.3		ug/L		82	24 - 140
Dibenz(a,h)anthracene	33.3	27.3		ug/L		82	29 - 117
4-Chloroaniline	33.3	26.4		ug/L		79	10 - 150
Fluoranthene	33.3	35.3		ug/L		106	30 - 124
4-Chloro-3-methylphenol	33.3	34.8		ug/L		104	10 - 137
Fluorene	33.3	27.8		ug/L		83	30 - 118
2-Chloronaphthalene	33.3	27.4		ug/L		82	10 - 150
2-Chlorophenol	33.3	31.1		ug/L		93	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	26.7		ug/L		80	28 - 115
1-Methylnaphthalene	33.3	22.6		ug/L		68	25 - 120
4-Chlorophenyl phenyl ether	33.3	24.9		ug/L		75	31 - 110
2-Methylnaphthalene	33.3	22.1		ug/L		66	24 - 110
Dibenz[a,h]acridine	49.9	52.7		ug/L		106	40 - 140
Dibenzofuran	33.3	29.9		ug/L		90	35 - 110
3,3'-Dichlorobenzidine	33.3	21.2		ug/L		63	10 - 150
Phenanthrene	33.3	31.3		ug/L		94	32 - 115
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Pyrene	33.3	36.9		ug/L		111	30 - 126
Diethyl phthalate	33.3	22.6		ug/L		68	31 - 118
2,4-Dimethylphenol	33.3	30.4		ug/L		91	10 - 142
Dimethyl phthalate	33.3	25.9		ug/L		78	24 - 125
Di-n-butyl phthalate	33.3	24.7		ug/L		74	30 - 127
4,6-Dinitro-ortho-cresol	66.7	55.1		ug/L		83	10 - 150
2,4-Dinitrophenol	66.7	44.0		ug/L		66	10 - 150
2,4-Dinitrotoluene	33.3	27.4		ug/L		82	30 - 129
2,6-Dinitrotoluene	33.3	28.0		ug/L		84	34 - 132
Di-n-octyl phthalate	33.3	25.5		ug/L		76	28 - 142
1,4-Dioxane	33.3	29.7		ug/L		89	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.4		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113
Hexachlorocyclopentadiene	33.3	13.7	J	ug/L		41	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	33.3	15.0		ug/L		45	10 - 112
Indene	50.0	39.8		ug/L		80	10 - 113
Isophorone	33.3	25.0		ug/L		75	29 - 125
2-Methylphenol	33.3	35.0		ug/L		105	11 - 121
3 & 4 Methylphenol	33.3	39.6		ug/L		119	10 - 150
2-Nitroaniline	33.3	31.2		ug/L		93	31 - 141
3-Nitroaniline	33.3	26.0		ug/L		78	33 - 136
4-Nitroaniline	33.3	27.9		ug/L		84	37 - 139
Nitrobenzene	33.3	25.5		ug/L		76	29 - 129
2-Nitrophenol	33.3	30.7		ug/L		92	31 - 142
4-Nitrophenol	66.7	68.7		ug/L		103	10 - 150
N-Nitrosodimethylamine	33.3	31.5		ug/L		94	10 - 136
N-Nitrosodi-n-propylamine	33.3	27.8		ug/L		83	53 - 134
N-Nitrosodiphenylamine	33.1	27.4		ug/L		83	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	43.2		ug/L		130	10 - 150
Pyridine	66.7	114	*+	ug/L		171	10 - 150
Quinoline	49.9	53.8		ug/L		108	50 - 150
2,4,5-Trichlorophenol	33.3	29.7		ug/L		89	27 - 136
2,4,6-Trichlorophenol	33.3	29.9		ug/L		90	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*15 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Terphenyl-d14	*67*		*43 - 147*
2-Fluorobiphenyl	*72*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*75*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*67*		*28 - 150*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCS 400-715522/4-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	42.6		ug/L		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*109*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	24.7		ug/L		74	29 - 110	1	40
Aniline			33.3	34.6		ug/L		104	10 - 134	2	40
Acenaphthylene			33.3	25.6		ug/L		77	30 - 112	1	40
Anthracene			33.3	31.9		ug/L		96	31 - 120	1	40
Benzoic acid			214	147		ug/L		69	10 - 180	5	40
Benzo[a]anthracene			33.3	30.9		ug/L		93	36 - 118	0	40
Benzyl alcohol			33.3	32.6	J	ug/L		98	10 - 150	2	40
Benzo[a]pyrene			33.3	30.3		ug/L		91	29 - 120	3	40
Bis(2-chloroethoxy)methane			33.3	31.6		ug/L		95	34 - 120	1	40
Benzo[b]fluoranthene			33.3	32.7		ug/L		98	32 - 119	6	40
Bis(2-chloroethyl)ether			33.3	26.7		ug/L		80	32 - 114	1	40
Benzo[g,h,i]perylene			33.3	27.8		ug/L		84	28 - 115	3	40
bis (2-chloroisopropyl) ether			33.3	24.8		ug/L		75	32 - 115	1	40
Benzo[k]fluoranthene			33.3	31.1		ug/L		93	30 - 118	1	40
Bis(2-ethylhexyl) phthalate			33.3	25.8		ug/L		77	24 - 133	0	40
4-Bromophenyl phenyl ether			33.3	27.1		ug/L		81	24 - 120	1	40
Chrysene			33.3	30.0		ug/L		90	34 - 113	0	40
Butyl benzyl phthalate			33.3	25.8		ug/L		77	24 - 140	6	40
Dibenz(a,h)anthracene			33.3	28.0		ug/L		84	29 - 117	2	40
4-Chloroaniline			33.3	27.6		ug/L		83	10 - 150	5	40
Fluoranthene			33.3	35.3		ug/L		106	30 - 124	0	40
4-Chloro-3-methylphenol			33.3	33.3		ug/L		100	10 - 137	4	40
Fluorene			33.3	27.7		ug/L		83	30 - 118	0	40
2-Chloronaphthalene			33.3	23.7		ug/L		71	10 - 150	15	40
2-Chlorophenol			33.3	30.3		ug/L		91	28 - 127	3	40
Indeno[1,2,3-cd]pyrene			33.3	27.7		ug/L		83	28 - 115	4	40
1-Methylnaphthalene			33.3	22.8		ug/L		68	25 - 120	1	40
4-Chlorophenyl phenyl ether			33.3	25.3		ug/L		76	31 - 110	1	40
2-Methylnaphthalene			33.3	22.5		ug/L		67	24 - 110	2	40
Dibenz[a,h]acridine			49.9	55.4		ug/L		111	40 - 140	5	40
Dibenzofuran			33.3	30.4		ug/L		91	35 - 110	2	40
3,3'-Dichlorobenzidine			33.3	21.9		ug/L		66	10 - 150	3	40
Phenanthrene			33.3	31.0		ug/L		93	32 - 115	1	40
2,4-Dichlorophenol			33.3	28.5		ug/L		85	30 - 125	5	40
Pyrene			33.3	36.8		ug/L		110	30 - 126	0	40
Diethyl phthalate			33.3	20.2		ug/L		61	31 - 118	11	40
2,4-Dimethylphenol			33.3	28.5		ug/L		85	10 - 142	7	40
Dimethyl phthalate			33.3	24.9		ug/L		75	24 - 125	4	40
Di-n-butyl phthalate			33.3	22.8		ug/L		68	30 - 127	8	40
4,6-Dinitro-ortho-cresol			66.7	53.7		ug/L		81	10 - 150	3	40
2,4-Dinitrophenol			66.7	42.0		ug/L		63	10 - 150	4	40
2,4-Dinitrotoluene			33.3	28.0		ug/L		84	30 - 129	2	40
2,6-Dinitrotoluene			33.3	28.8		ug/L		86	34 - 132	3	40
Di-n-octyl phthalate			33.3	25.2		ug/L		75	28 - 142	1	40
1,4-Dioxane			33.3	30.7		ug/L		92	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	24.0		ug/L		72	29 - 121	6	40
Hexachlorobenzene			33.3	26.9		ug/L		81	29 - 113	0	40
Hexachlorocyclopentadiene			33.3	15.1	J	ug/L		45	10 - 150	9	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	15.2		ug/L		46	10 - 112	1	40
Indene			50.0	39.3		ug/L		79	10 - 113	1	40
Isophorone			33.3	25.3		ug/L		76	29 - 125	1	40
2-Methylphenol			33.3	33.8		ug/L		101	11 - 121	4	40
3 & 4 Methylphenol			33.3	39.1		ug/L		117	10 - 150	1	40
2-Nitroaniline			33.3	31.8		ug/L		95	31 - 141	2	40
3-Nitroaniline			33.3	27.6		ug/L		83	33 - 136	6	40
4-Nitroaniline			33.3	29.2		ug/L		88	37 - 139	4	40
Nitrobenzene			33.3	25.7		ug/L		77	29 - 129	1	40
2-Nitrophenol			33.3	30.1		ug/L		90	31 - 142	2	40
4-Nitrophenol			66.7	70.6		ug/L		106	10 - 150	3	40
N-Nitrosodimethylamine			33.3	32.5		ug/L		97	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	28.6		ug/L		86	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	27.6		ug/L		83	62 - 132	1	40
Pentachlorophenol			66.7	62.5		ug/L		94	14 - 150	4	40
Phenol			33.3	43.4		ug/L		130	10 - 150	0	40
Pyridine			66.7	121	*+	ug/L		181	10 - 150	6	40
Quinoline			49.9	52.6		ug/L		106	50 - 150	2	40
2,4,5-Trichlorophenol			33.3	29.6		ug/L		89	27 - 136	0	40
2,4,6-Trichlorophenol			33.3	29.2		ug/L		87	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	79		15 - 150
Nitrobenzene-d5	81		50 - 150
Terphenyl-d14	72		43 - 147
2-Fluorobiphenyl	79		25 - 139
2-Fluorophenol	98		10 - 150
Nitrobenzene-d5	81		22 - 150
Phenol-d5	119		10 - 150
Terphenyl-d14	72		28 - 150
2,4,6-Tribromophenol	93		10 - 150

Lab Sample ID: LCSD 400-715522/5-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	78		25 - 139
2-Fluorophenol	101		10 - 150
Nitrobenzene-d5	82		22 - 150
Phenol-d5	118		10 - 150
Terphenyl-d14	74		28 - 150
2,4,6-Tribromophenol	74		10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.4	23.7		ug/L		73	50 - 150
Aniline	ND		32.4	32.7		ug/L		101	50 - 150
Acenaphthylene	ND		32.4	24.6		ug/L		76	50 - 150
Anthracene	ND		32.4	30.6		ug/L		94	50 - 150
Benzoic acid	ND		208	288		ug/L		138	50 - 150
Benzo[a]anthracene	ND		32.4	25.1		ug/L		78	50 - 150
Benzyl alcohol	ND		32.4	31.5	J	ug/L		97	50 - 150
Benzo[a]pyrene	ND		32.4	24.9		ug/L		77	50 - 150
Bis(2-chloroethoxy)methane	ND		32.4	30.4		ug/L		94	50 - 150
Benzo[b]fluoranthene	ND		32.4	27.1		ug/L		84	50 - 150
Bis(2-chloroethyl)ether	ND		32.4	26.6		ug/L		82	50 - 150
Benzo[g,h,i]perylene	ND		32.4	22.4		ug/L		69	50 - 150
bis (2-chloroisopropyl) ether	ND		32.4	24.8		ug/L		77	50 - 150
Benzo[k]fluoranthene	ND		32.4	25.4		ug/L		79	50 - 150
Bis(2-ethylhexyl) phthalate	ND		32.4	22.4		ug/L		69	50 - 150
4-Bromophenyl phenyl ether	ND		32.4	26.1		ug/L		81	50 - 150
Chrysene	ND		32.4	24.5		ug/L		76	50 - 150
Butyl benzyl phthalate	ND		32.4	26.0		ug/L		80	50 - 150
Dibenz(a,h)anthracene	ND		32.4	23.4		ug/L		72	50 - 150
4-Chloroaniline	ND		32.4	27.7		ug/L		86	50 - 150
Fluoranthene	ND		32.4	31.8		ug/L		98	50 - 150
4-Chloro-3-methylphenol	ND		32.4	32.2		ug/L		99	50 - 150
Fluorene	ND		32.4	26.5		ug/L		82	50 - 150
2-Chloronaphthalene	ND		32.4	23.7		ug/L		73	50 - 150
2-Chlorophenol	ND		32.4	29.5		ug/L		91	50 - 150
Indeno[1,2,3-cd]pyrene	ND		32.4	22.7		ug/L		70	50 - 150
1-Methylnaphthalene	ND		32.4	22.6		ug/L		70	50 - 150
4-Chlorophenyl phenyl ether	ND		32.4	23.2		ug/L		72	50 - 150
2-Methylnaphthalene	ND		32.4	22.5		ug/L		69	50 - 150
Dibenz[a,h]acridine	ND		48.4	44.7		ug/L		92	50 - 150
Dibenzofuran	ND		32.4	28.5		ug/L		88	50 - 150
3,3'-Dichlorobenzidine	ND		32.4	20.8		ug/L		64	50 - 150
Phenanthrene	ND		32.4	29.6		ug/L		91	50 - 150
2,4-Dichlorophenol	ND		32.4	27.9		ug/L		86	50 - 150
Pyrene	ND		32.4	32.9		ug/L		102	50 - 150
Diethyl phthalate	ND		32.4	19.8		ug/L		61	50 - 150
2,4-Dimethylphenol	ND		32.4	28.5		ug/L		88	50 - 150
Dimethyl phthalate	ND		32.4	23.0		ug/L		71	50 - 150
Di-n-butyl phthalate	ND		32.4	23.4		ug/L		72	50 - 150
4,6-Dinitro-ortho-cresol	ND		64.7	53.4		ug/L		82	50 - 150
2,4-Dinitrophenol	ND		64.7	47.3		ug/L		73	50 - 150
2,4-Dinitrotoluene	ND		32.4	26.3		ug/L		81	50 - 150
2,6-Dinitrotoluene	ND		32.4	27.2		ug/L		84	50 - 150
Di-n-octyl phthalate	ND		32.4	21.7		ug/L		67	50 - 150
1,4-Dioxane	ND		32.4	29.1		ug/L		90	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.4	24.2		ug/L		75	50 - 150
Hexachlorobenzene	ND		32.4	24.8		ug/L		77	50 - 150
Hexachlorocyclopentadiene	ND		32.4	17.8	J	ug/L		55	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715729

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	ND		32.4	18.0		ug/L		56	50 - 150
Indene	ND		48.5	42.0		ug/L		87	50 - 150
Isophorone	ND		32.4	24.9		ug/L		77	50 - 150
2-Methylphenol	ND		32.4	33.0		ug/L		102	50 - 150
3 & 4 Methylphenol	ND		32.4	39.3		ug/L		121	50 - 150
2-Nitroaniline	ND		32.4	30.0		ug/L		93	50 - 150
3-Nitroaniline	ND		32.4	27.1		ug/L		84	50 - 150
4-Nitroaniline	ND		32.4	28.3		ug/L		88	50 - 150
Nitrobenzene	ND		32.4	25.0		ug/L		77	50 - 150
2-Nitrophenol	ND		32.4	28.4		ug/L		88	50 - 150
4-Nitrophenol	ND		64.7	66.0		ug/L		102	50 - 150
N-Nitrosodimethylamine	ND		32.4	31.5		ug/L		97	50 - 150
N-Nitrosodi-n-propylamine	ND		32.4	27.6		ug/L		85	50 - 150
N-Nitrosodiphenylamine	ND		32.1	25.8		ug/L		80	50 - 150
Pentachlorophenol	ND		64.7	65.4		ug/L		101	50 - 150
Phenol	ND		32.4	43.3		ug/L		134	50 - 150
Pyridine	ND	*+ F1	64.7	115	F1	ug/L		178	50 - 150
Quinoline	ND		48.4	49.0		ug/L		101	50 - 150
2,4,5-Trichlorophenol	ND		32.4	28.0		ug/L		86	50 - 150
2,4,6-Trichlorophenol	ND		32.4	27.4		ug/L		85	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*48*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*116*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*140*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*109*		*10 - 150*

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.3	24.8		ug/L		77	50 - 150	4	40
Aniline	ND		32.3	33.5		ug/L		104	50 - 150	2	40
Acenaphthylene	ND		32.3	25.6		ug/L		79	50 - 150	4	40
Anthracene	ND		32.3	31.5		ug/L		98	50 - 150	3	40
Benzoic acid	ND		207	259		ug/L		125	50 - 150	10	40
Benzo[a]anthracene	ND		32.3	28.0		ug/L		87	50 - 150	11	40
Benzyl alcohol	ND		32.3	33.1	J	ug/L		103	50 - 150	5	40
Benzo[a]pyrene	ND		32.3	26.4		ug/L		82	50 - 150	6	40
Bis(2-chloroethoxy)methane	ND		32.3	31.4		ug/L		97	50 - 150	3	40
Benzo[b]fluoranthene	ND		32.3	28.5		ug/L		88	50 - 150	5	40
Bis(2-chloroethyl)ether	ND		32.3	27.5		ug/L		85	50 - 150	3	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	ND		32.3	24.2		ug/L		75	50 - 150	8	40
bis (2-chloroisopropyl) ether	ND		32.3	25.4		ug/L		79	50 - 150	2	40
Benzo[k]fluoranthene	ND		32.3	27.4		ug/L		85	50 - 150	7	40
Bis(2-ethylhexyl) phthalate	ND		32.3	24.3		ug/L		75	50 - 150	8	40
4-Bromophenyl phenyl ether	ND		32.3	27.2		ug/L		84	50 - 150	4	40
Chrysene	ND		32.3	27.4		ug/L		85	50 - 150	11	40
Butyl benzyl phthalate	ND		32.3	27.4		ug/L		85	50 - 150	5	40
Dibenz(a,h)anthracene	ND		32.3	24.6		ug/L		76	50 - 150	5	40
4-Chloroaniline	ND		32.3	29.0		ug/L		90	50 - 150	4	40
Fluoranthene	ND		32.3	33.9		ug/L		105	50 - 150	6	40
4-Chloro-3-methylphenol	ND		32.3	34.2		ug/L		106	50 - 150	6	40
Fluorene	ND		32.3	27.5		ug/L		85	50 - 150	4	40
2-Chloronaphthalene	ND		32.3	27.8		ug/L		86	50 - 150	16	40
2-Chlorophenol	ND		32.3	30.7		ug/L		95	50 - 150	4	40
Indeno[1,2,3-cd]pyrene	ND		32.3	24.1		ug/L		75	50 - 150	6	40
1-Methylnaphthalene	ND		32.3	24.7		ug/L		76	50 - 150	9	40
4-Chlorophenyl phenyl ether	ND		32.3	24.4		ug/L		76	50 - 150	5	40
2-Methylnaphthalene	ND		32.3	24.8		ug/L		77	50 - 150	10	40
Dibenz[a,h]acridine	ND		48.3	44.6		ug/L		92	50 - 150	0	40
Dibenzofuran	ND		32.3	30.2		ug/L		94	50 - 150	6	40
3,3'-Dichlorobenzidine	ND		32.3	24.2		ug/L		75	50 - 150	15	40
Phenanthrene	ND		32.3	31.2		ug/L		97	50 - 150	5	40
2,4-Dichlorophenol	ND		32.3	29.6		ug/L		92	50 - 150	6	40
Pyrene	ND		32.3	35.6		ug/L		110	50 - 150	8	40
Diethyl phthalate	ND		32.3	20.3		ug/L		63	50 - 150	2	40
2,4-Dimethylphenol	ND		32.3	29.6		ug/L		92	50 - 150	4	40
Dimethyl phthalate	ND		32.3	24.0		ug/L		74	50 - 150	4	40
Di-n-butyl phthalate	ND		32.3	23.4		ug/L		73	50 - 150	0	40
4,6-Dinitro-ortho-cresol	ND		64.5	56.9		ug/L		88	50 - 150	6	40
2,4-Dinitrophenol	ND		64.5	49.5		ug/L		77	50 - 150	5	40
2,4-Dinitrotoluene	ND		32.3	27.7		ug/L		86	50 - 150	5	40
2,6-Dinitrotoluene	ND		32.3	28.5		ug/L		88	50 - 150	5	40
Di-n-octyl phthalate	ND		32.3	23.9		ug/L		74	50 - 150	10	40
1,4-Dioxane	ND		32.3	32.0		ug/L		99	50 - 150	10	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.3	25.5		ug/L		79	50 - 150	5	40
Hexachlorobenzene	ND		32.3	26.3		ug/L		82	50 - 150	6	40
Hexachlorocyclopentadiene	ND		32.3	22.4		ug/L		69	50 - 150	23	40
Hexachloroethane	ND		32.3	23.3		ug/L		72	50 - 150	26	40
Indene	ND		48.4	38.2		ug/L		79	50 - 150	9	40
Isophorone	ND		32.3	25.6		ug/L		79	50 - 150	3	40
2-Methylphenol	ND		32.3	34.3		ug/L		106	50 - 150	4	40
3 & 4 Methylphenol	ND		32.3	40.4		ug/L		125	50 - 150	3	40
2-Nitroaniline	ND		32.3	31.9		ug/L		99	50 - 150	6	40
3-Nitroaniline	ND		32.3	29.3		ug/L		91	50 - 150	8	40
4-Nitroaniline	ND		32.3	30.4		ug/L		94	50 - 150	7	40
Nitrobenzene	ND		32.3	26.2		ug/L		81	50 - 150	5	40
2-Nitrophenol	ND		32.3	30.5		ug/L		95	50 - 150	7	40
4-Nitrophenol	ND		64.5	73.6		ug/L		114	50 - 150	11	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715729

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodimethylamine	ND		32.3	33.5		ug/L		104	50 - 150	6	40
N-Nitrosodi-n-propylamine	ND		32.3	29.5		ug/L		91	50 - 150	7	40
N-Nitrosodiphenylamine	ND		32.0	27.3		ug/L		85	50 - 150	5	40
Pentachlorophenol	ND		64.5	68.8		ug/L		107	50 - 150	5	40
Phenol	ND		32.3	44.1		ug/L		137	50 - 150	2	40
Pyridine	ND	*+ F1	64.5	119	F1	ug/L		185	50 - 150	3	40
Quinoline	ND		48.3	50.6		ug/L		105	50 - 150	3	40
2,4,5-Trichlorophenol	ND		32.3	28.7		ug/L		89	50 - 150	3	40
2,4,6-Trichlorophenol	ND		32.3	28.3		ug/L		88	50 - 150	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 150*
Nitrobenzene-d5	*94*		*50 - 150*
Terphenyl-d14	*47*		*43 - 147*
2-Fluorobiphenyl	*87*		*25 - 139*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*94*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*47*		*28 - 150*
2,4,6-Tribromophenol	*95*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.McLean, M.Massa

LAB USE ONLY

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

- Include "J" values on Reports.
- Provide sample receipt upon login.
- Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-A	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-A	7/8/2025	0000	Water	2					2		X		
	P54-ROX-070825	7/8/2025	0935	Water	6			4		10	X	X	X	X
	MW1-ROX-070825	7/8/2025	1030	Water	6			4		10	X	X	X	X
	MW26-ROX-070825	7/8/2025	1150	Water	6			4		10	X	X	X	X
	MW6A-ROX-070825	7/8/2025	1240	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825	7/8/2025	1315	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825-MS	7/8/2025	1315	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825-MSD	7/8/2025	1315	Water	6			4		10	X	X	X	X

400-278871 Chain of Custody

	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) S.MCLEAN	FEDEX: 7252 0550 4190/ 4234 9598 5739	7/8/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) BP	Date: 7/9/25	Time: 950

Version: 19Sept24

CUSTODY SEALS: 1135100, 1135101, 1135103, 1135102

0.2C 0.0°C RW

Page 13 of 18

7/23/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

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- **Include "J" values on Reports.**
- **Provide sample receipt upon login.**
- **Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-B	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-B	7/8/2025	0000	Water	2					2		X		
	MW3-ROX-070825	7/8/2025	11:00	Water	6			4		10	X	X	X	X
	MW5-ROX-070825	7/8/2025	12:15	Water	6			4		10	X	X	X	X
	ROST3MW-ROX-070825	7/8/2025	13:30	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/8/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) BP	Date: 7/9/25	Time: 950

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

0.0°C Dew

7/23/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278871-1

Login Number: 278871
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2°C, 0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278969-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/28/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/5/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW6C-ROX-070925 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0**/**0**	**NC**	10-150/50
MW6C-ROX-070925 MS/MSD	VOCs	Ethyl methacrylate	**132**/81	**48**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Acetone	52/**33**	**46**	43-150/30
MW6C-ROX-070925 MS/MSD	VOCs	2-Butanone (MEK)	80/**50**	**46**	55-150/30
MW6C-ROX-070925 MS/MSD	VOCs	2-Hexanone	98/**62**	**45**	65-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Acrolein	98/67	**37**	38-150/31
MW6C-ROX-070925 MS/MSD	VOCs	Acrylonitrile	127/79	**46**	62-149/30
MW6C-ROX-070925 MS/MSD	VOCs	Benzene	125/77	**47**	56-142/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromobenzene	112/68	**49**	59-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromochloromethane	117/71	**48**	64-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromodichloromethane	116/73	**46**	59-143/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromoform	16/73	**45**	50-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Carbon Disulfide	112/68	**48**	48-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Carbon Tetrachloride	109//67	**48**	55-145/30
MW6C-ROX-070925 MS/MSD	VOCs	Chlorobenzene	117/72	**47**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Chloroform	114/71	**47**	60-14130
MW6C-ROX-070925 MS/MSD	VOCs	1-Chlorohexane	112/66	**52**	56-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Chloromethane	87/60	**37**	49-148/31
MW6C-ROX-070925 MS/MSD	VOCs	cis-1,2-Dichloroethene	115/71	**48**	59-143/30
MW6C-ROX-070925 MS/MSD	VOCs	cis-1,3-Dichloropropene	122/74	**49**	57-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Dibromochloromethane	121/74	**48**	56-143/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichlorobenzene	112/68	**49**	52-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3-Dichlorobenzene	106/64	**50**	54-135/30
MW6C-ROX-070925 MS/MSD	VOCs	1,4-Dichlorobenzene	111/67	**49**	53-135/30

MW6C-ROX-070925 MS/MSD	VOCs	Dichlorodifluoromethane	80/57	**33**	16-150/31
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloroethane	118/74	**45**	61-144/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichloroethane	114/72	**45**	60-141/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloroethene	112/70	**46**	54-147/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichloropropane	126/78	**47**	66-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3-Dichloropropane	127/79	**46**	66-133/30
MW6C-ROX-070925 MS/MSD	VOCs	2,2-Dichloropropane	107/67	**47**	42-144/31
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloropropene	117/72	**47**	65–136/30
MW6C-ROX-070925 MS/MSD	VOCs	Hexachlorobutadiene	83/49	**51**	31-149/36
MW6C-ROX-070925 MS/MSD	VOCs	2-Hexanone	98/62	**45**	65-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Isopropylbenzene	107/63	**52**	56-133/30
MW6C-ROX-070925 MS/MSD	VOCs	Ethylbenzene	113/68	**49**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Methylene Bromide	116/72	**47**	63-138/30
MW6C-ROX-070925 MS/MSD	VOCs	Methylene Chloride	114/70	**48**	60-146/32
MW6C-ROX-070925 MS/MSD	VOCs	4-Methyl-2-pentatnone (MIBK)	124/77	**47**	63-146/30
MW6C-ROX-070925 MS/MSD	VOCs	Methyl tert-butyl ether	118/73	**46**	59-137/30
MW6C-ROX-070925 MS/MSD	VOCs	m-Xylene & p-Xylene	111/66	**51**	57-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Naphthalene	114/75	**42**	25-150/30
MW6C-ROX-070925 MS/MSD	VOCs	n-Butylbenzene	99/57	**54**	41-142/31
MW6C-ROX-070925 MS/MSD	VOCs	N-Propylbenzene	106/63	**51**	51-138/30
MW6C-ROX-070925 MS/MSD	VOCs	o-Chlorotoluene	105/63	**50**	53-134/30
MW6C-ROX-070925 MS/MSD	VOCs	o-Xylene	113/67	**51**	61-130/30
MW6C-ROX-070925 MS/MSD	VOCs	p-Chlorotoluene	110/65	**51**	54-133/30
MW6C-ROX-070925 MS/MSD	VOCs	p-Isopropyltoluene	103/60	**52**	48-138/30
MW6C-ROX-070925 MS/MSD	VOCs	sec-Butylbenzene	104/61	**52**	50-138/30
MW6C-ROX-070925 MS/MSD	VOCs	Styrene	114/67	**51**	58-131/30
MW6C-ROX-070925 MS/MSD	VOCs	tert-Butylbenzene	104/62	**52**	54-146/30

MW6C-ROX-070925 MS/MSD	VOCs	1,1,1,2-Tetrachloroethane	118/73	**47**	59-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,2,2-Tetrachloroethane	133/82	**47**	66-135/30
MW6C-ROX-070925 MS/MSD	VOCs	Tetrachloroethene	117/82	**35**	52-133/30
MW6C-ROX-070925 MS/MSD	VOCs	Toluene	119/72	**49**	65-130/30
MW6C-ROX-070925 MS/MSD	VOCs	trans-1,2-Dichloroethene	117/72	**48**	61-143/30
MW6C-ROX-070925 MS/MSD	VOCs	trans-1,3-Dichloropropene	126/77	**49**	53-133/30
MW6C-ROX-070925 MS/MSD	VOCs	1.2.3-Trichlorobenzene	100/65	**43**	43-145/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,4-Trichlorobenzene	96/61	**45**	39-148/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,1-Trichloroethane	111/68	**48**	57-142/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,2-Trichloroethane	128/69	**48**	66-131/30
MW6C-ROX-070925 MS/MSD	VOCs	Trichloroethene	111/69	**46**	64-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Trichlorofluoromethane	82/56	**37**	54-150/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,3-Trichloropropane	132/82	**46**	65-133/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,4-Trimethylbenzene	113/66	**52**	50-139/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3,5-Trimethylbenzene	112/66	**51**	52-135/30
MW6C-ROX-070925 MS/MSD	VOCs	Vinyl Acetate	98/67	**37**	26-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Vinyl Chloride	93/66	**34**	46-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Xylenes, Total	112/67	**51**	59-130/30

Analytical data that required qualification based on MS/MSD data are included in the table below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The MS/MSD RPD for all analytes, with the exception of bromomethane and chloroethane, were above the evaluation criteria. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-070925	VOCs	2-Chloroethyl vinyl ether	UJ
MW6C-ROX-070925	VOCs	Acetone	UJ
MW6C-ROX-070925	VOCs	2-Butanone (MEK)	UJ
MW6C-ROX-070925	VOCs	2-Hexanone	UJ

Laboratory Control Spike	LCS was performed at the required frequency and		X		

	LCS recoveries met acceptance criteria.				

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Aniline	**171/164**	4	10-134/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Bis(2-chloroethoxy)methane	**124**/114	8	34-120/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Dibenz[a,h]acridine	**154/148**	4	40-140/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Dibenzofuran	**121/114**	6	35-110/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Pyridine	**254/246**	3	10-150/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Quinoline	**155**/141	10	50-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-070925-DUP	SVOCs	Dibenzofuran	**J**

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-070925	VOCs	Chloromethane	UJ
MW13-ROX-070925	VOCs	Chloromethane	UJ
P114R-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZE-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZC-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZC-ROX-070925-DUP	VOCs	Chloromethane	UJ
ROST4PZG-ROX-070925	VOCs	Chloromethane	UJ
MW6C-ROX-070925	VOCs	Trichlorofluoromethane	UJ
MW6D-ROX-070925	VOCs	Trichlorofluoromethane	UJ
MW13-ROX-070925	VOCs	Trichlorofluoromethane	UJ
P114R-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZE-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZC-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZC-ROX-070925-DUP	VOCs	Trichlorofluoromethane	UJ
ROST4PZG-ROX-070925	VOCs	Trichlorofluoromethane	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low. The continuing calibration verifications (CCV) for anthracene, was outside evaluation criteria, biased high. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-070925	PAHs	Anthracene	J
ROST4PZC-ROX-070925-DUP	PAHs	Anthracene	J
MW6C-ROX-070925	SVOCs	Pyridine	UJ
MW6D-ROX-070925	SVOCs	Pyridine	UJ
MW13-ROX-070925	SVOCs	Pyridine	UJ
P114R-ROX-070925	SVOCs	Pyridine	UJ
ROST4PZE-ROX-070925	SVOCs	Pyridine	UJ
ROST4PZC-ROX-070925	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

	laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 12:52:47 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278969-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Job Narrative
400-278969-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715908 recovered outside acceptance criteria, low biased, for Chloromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-070925-8260-A (400-278969-1), MW6C-ROX-070925 (400-278969-3), MW6D-ROX-070925 (400-278969-4), MW13-ROX-070925 (400-278969-5), P114R-ROX-070925 (400-278969-6), TB-ROX-070925-8260-B (400-278969-7), ROST4PZE-ROX-070925 (400-278969-9), ROST4PZC-ROX-070925 (400-278969-10), ROST4PZC-ROX-070925-DUP (400-278969-11) and ROST4PZG-ROX-070925 (400-278969-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715908 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-715908 was outside control limits. Sample matrix interference is suspected.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715908 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715908 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715880 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716008 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 400-278969-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715881 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-715763 and analytical batch 400-715729 recovered outside control limits for the following analytes: Aniline, Bis(2-chloroethoxy)methane, Dibenz[a,h]acridine, Dibenzofuran, Pyridine and Quinoline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-715763 and analytical batch 400-715729 recovered outside control limits for the following analytes: Aniline, Dibenz[a,h]acridine, Dibenzofuran and Pyridine. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCSD 400-715763/3-A). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716009 recovered above the upper control limit for Aniline, Benzyl alcohol, Butyl benzyl phthalate, Dibenzofuran, 2,4-Dimethylphenol, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278969-1	TB-ROX-070925-8260-A	Water	07/09/25 00:00	07/10/25 09:30
400-278969-2	TB-ROX-070925-8260SIM-A	Water	07/09/25 00:00	07/10/25 09:30
400-278969-3	MW6C-ROX-070925	Water	07/09/25 09:10	07/10/25 09:30
400-278969-4	MW6D-ROX-070925	Water	07/09/25 09:55	07/10/25 09:30
400-278969-5	MW13-ROX-070925	Water	07/09/25 11:40	07/10/25 09:30
400-278969-6	P114R-ROX-070925	Water	07/09/25 12:40	07/10/25 09:30
400-278969-7	TB-ROX-070925-8260-B	Water	07/09/25 00:00	07/10/25 09:30
400-278969-8	TB-ROX-070925-8260SIM-B	Water	07/09/25 00:00	07/10/25 09:30
400-278969-9	ROST4PZE-ROX-070925	Water	07/09/25 09:15	07/10/25 09:30
400-278969-10	ROST4PZC-ROX-070925	Water	07/09/25 10:40	07/10/25 09:30
400-278969-11	ROST4PZC-ROX-070925-DUP	Water	07/09/25 10:40	07/10/25 09:30
400-278969-12	ROST4PZG-ROX-070925	Water	07/09/25 12:40	07/10/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A — Lab Sample ID: 400-278969-1

No Detections.

Client Sample ID: TB-ROX-070925-8260SIM-A — Lab Sample ID: 400-278969-2

No Detections.

Client Sample ID: MW6C-ROX-070925 — Lab Sample ID: 400-278969-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Chloroaniline	0.49	J	9.3	0.26	ug/L	1		8270E	Total/NA

Client Sample ID: MW6D-ROX-070925 — Lab Sample ID: 400-278969-4

No Detections.

Client Sample ID: MW13-ROX-070925 — Lab Sample ID: 400-278969-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.54	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: P114R-ROX-070925 — Lab Sample ID: 400-278969-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.57	J	1.0	0.22	ug/L	1		8260D	Total/NA
4-Chloro-3-methylphenol	0.77	J	9.9	0.72	ug/L	1		8270E	Total/NA

Client Sample ID: TB-ROX-070925-8260-B — Lab Sample ID: 400-278969-7

No Detections.

Client Sample ID: TB-ROX-070925-8260SIM-B — Lab Sample ID: 400-278969-8

No Detections.

Client Sample ID: ROST4PZE-ROX-070925 — Lab Sample ID: 400-278969-9

No Detections.

Client Sample ID: ROST4PZC-ROX-070925 — Lab Sample ID: 400-278969-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	7.7	J	25	2.6	ug/L	1		8260D	Total/NA
Carbon disulfide	0.53	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	4.1		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	28		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	69		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	5.2		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	8.7		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.5		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	2.2		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	30		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	0.96		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.095	J	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene	0.21		0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene	0.61		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	24		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	11		0.20	0.077	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ROST4PZC-ROX-070925 (Continued) — Lab Sample ID: 400-278969-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.86		0.20	0.044	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZC-ROX-070925-DUP — Lab Sample ID: 400-278969-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	7.9	J	25	2.6	ug/L	1		8260D	Total/NA
Isopropylbenzene	4.6		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	29		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	77		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	5.7		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	8.8		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.2		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	2.7		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	31		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	1.0		0.19	0.082	ug/L	1		8270E	Total/NA
Acenaphthylene	0.095	J	0.19	0.045	ug/L	1		8270E	Total/NA
Anthracene	0.20		0.19	0.070	ug/L	1		8270E	Total/NA
Fluorene	0.62		0.19	0.084	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	26		0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	13		0.19	0.074	ug/L	1		8270E	Total/NA
Dibenzofuran	0.64	J *+	9.6	0.62	ug/L	1		8270E	Total/NA
Phenanthrene	0.90		0.19	0.042	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZG-ROX-070925 — Lab Sample ID: 400-278969-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.3		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	8.7	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	0.91	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	2.2		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	4.4	J	5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	5.3		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.5		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	1.3		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.086	J	0.19	0.082	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	3.7		0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	1.3		0.19	0.074	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	10	J	19	4.4	ug/L	1		8270E	Total/NA
Phenol	0.91	J	9.6	0.66	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 14:17	1
Acrolein	ND		20	3.3	ug/L			07/14/25 14:17	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 14:17	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 14:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 14:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 14:17	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 14:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 14:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 14:17	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 14:17	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 14:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 14:17	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 14:17	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 14:17	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 14:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 14:17	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 14:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 14:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 14:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 14:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 14:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 14:17	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 14:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 14:17	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 14:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 14:17	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 14:17	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 14:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 14:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 14:17	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 14:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 14:17	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 14:17	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 14:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 14:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 14:17	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 14:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 14:17	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 14:17	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 14:17	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 14:17	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 14:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 14:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 14:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 14:17	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 14:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 14:17*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/14/25 14:17*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 14:17*	*1*

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260SIM-A
Lab Sample ID: 400-278969-2

Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 13:44	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 13:44*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 13:44*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 13:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW6C-ROX-070925

Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 16:51	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 16:51*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 16:51*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/15/25 16:51*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 F2 UJ	25	10	ug/L			07/14/25 12:33	1
Acrolein	ND	F2	20	3.3	ug/L			07/14/25 12:33	1
Acrylonitrile	ND	F2	10	2.8	ug/L			07/14/25 12:33	1
Benzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Bromobenzene	ND	F2	1.0	0.54	ug/L			07/14/25 12:33	1
Bromochloromethane	ND	F2	1.0	0.52	ug/L			07/14/25 12:33	1
Bromodichloromethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Bromoform	ND	F2	5.0	0.25	ug/L			07/14/25 12:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 12:33	1
2-Butanone (MEK)	ND	F1 F2 UJ	25	2.6	ug/L			07/14/25 12:33	1
Carbon disulfide	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Carbon tetrachloride	ND	F2	1.0	0.19	ug/L			07/14/25 12:33	1
Chlorobenzene	ND	F2	1.0	0.42	ug/L			07/14/25 12:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 12:33	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 12:33	1
Chloroform	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
1-Chlorohexane	ND	F2	1.0	0.32	ug/L			07/14/25 12:33	1
Chloromethane	ND	F2 UJ	1.0	0.40	ug/L			07/14/25 12:33	1
cis-1,2-Dichloroethene	ND	F2	1.0	0.20	ug/L			07/14/25 12:33	1
cis-1,3-Dichloropropene	ND	F2	5.0	0.50	ug/L			07/14/25 12:33	1
Dibromochloromethane	ND	F2	1.0	0.24	ug/L			07/14/25 12:33	1
1,2-Dichlorobenzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,3-Dichlorobenzene	ND	F2	1.0	0.54	ug/L			07/14/25 12:33	1
1,4-Dichlorobenzene	ND	F2	1.0	0.64	ug/L			07/14/25 12:33	1
Dichlorodifluoromethane	ND	F2	1.0	0.85	ug/L			07/14/25 12:33	1
1,1-Dichloroethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,2-Dichloroethane	ND	F2	1.0	0.55	ug/L			07/14/25 12:33	1
1,1-Dichloroethene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,2-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,3-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
2,2-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,1-Dichloropropene	ND	F2	1.0	0.090	ug/L			07/14/25 12:33	1
Ethylbenzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Ethyl methacrylate	ND	F1 F2	1.0	0.60	ug/L			07/14/25 12:33	1
Hexachlorobutadiene	ND	F2	5.0	0.90	ug/L			07/14/25 12:33	1
2-Hexanone	ND	F1 F2 UJ	25	4.3	ug/L			07/14/25 12:33	1
Isopropylbenzene	ND	F2	1.0	0.53	ug/L			07/14/25 12:33	1
Methylene bromide	ND	F2	5.0	0.22	ug/L			07/14/25 12:33	1
Methylene Chloride	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
4-Methyl-2-pentanone (MIBK)	ND	F2	25	1.8	ug/L			07/14/25 12:33	1

Client Sample ID: MW6C-ROX-070925
Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	F2	1.0	0.22	ug/L			07/14/25 12:33	1
m-Xylene & p-Xylene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
Naphthalene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
n-Butylbenzene	ND	F2	1.0	0.76	ug/L			07/14/25 12:33	1
N-Propylbenzene	ND	F2	1.0	0.69	ug/L			07/14/25 12:33	1
o-Chlorotoluene	ND	F2	1.0	0.57	ug/L			07/14/25 12:33	1
o-Xylene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
p-Chlorotoluene	ND	F2	1.0	0.56	ug/L			07/14/25 12:33	1
p-Isopropyltoluene	ND	F2	1.0	0.71	ug/L			07/14/25 12:33	1
sec-Butylbenzene	ND	F2	1.0	0.70	ug/L			07/14/25 12:33	1
Styrene	ND	F2	1.0	1.0	ug/L			07/14/25 12:33	1
tert-Butylbenzene	ND	F2	1.0	0.63	ug/L			07/14/25 12:33	1
1,1,1,2-Tetrachloroethane	ND	F2	1.0	0.38	ug/L			07/14/25 12:33	1
1,1,2,2-Tetrachloroethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Tetrachloroethene	ND	F2	1.0	0.33	ug/L			07/14/25 12:33	1
Toluene	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
trans-1,2-Dichloroethene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
trans-1,3-Dichloropropene	ND	F2	5.0	0.20	ug/L			07/14/25 12:33	1
1,2,3-Trichlorobenzene	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
1,2,4-Trichlorobenzene	ND	F2	1.0	0.82	ug/L			07/14/25 12:33	1
1,1,1-Trichloroethane	ND	F2	1.0	0.18	ug/L			07/14/25 12:33	1
1,1,2-Trichloroethane	ND	F2	5.0	0.21	ug/L			07/14/25 12:33	1
Trichloroethene	ND	F2	1.0	0.15	ug/L			07/14/25 12:33	1
Trichlorofluoromethane	ND	F2 UJ	1.0	0.25	ug/L			07/14/25 12:33	1
1,2,3-Trichloropropane	ND	F2	5.0	0.84	ug/L			07/14/25 12:33	1
1,2,4-Trimethylbenzene	ND	F2	1.0	0.82	ug/L			07/14/25 12:33	1
1,3,5-Trimethylbenzene	ND	F2	1.0	0.56	ug/L			07/14/25 12:33	1
Vinyl acetate	ND	F2	25	0.93	ug/L			07/14/25 12:33	1
Vinyl chloride	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Xylenes, Total	ND	F2	10	6.0	ug/L			07/14/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 12:33*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 12:33*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 12:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.079	ug/L		07/11/25 07:00	07/14/25 18:44	1
Aniline	ND	*+	9.3	0.69	ug/L		07/11/25 07:00	07/14/25 18:44	1
Acenaphthylene	ND		0.19	0.044	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzenethiol	ND		9.3	0.56	ug/L		07/11/25 07:00	07/14/25 18:44	1
Anthracene	ND		0.19	0.068	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzoic acid	ND		93	75	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[a]anthracene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzyl alcohol	ND		33	28	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[a]pyrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-chloroethoxy)methane	ND	*+	9.3	0.32	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[b]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-chloroethyl)ether	ND		9.3	0.68	ug/L		07/11/25 07:00	07/14/25 18:44	1

Client Sample ID: MW6C-ROX-070925
Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.049	ug/L		07/11/25 07:00	07/14/25 18:44	1
bis (2-chloroisopropyl) ether	ND		9.3	0.87	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[k]fluoranthene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-ethylhexyl) phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Bromophenyl phenyl ether	ND		9.3	0.12	ug/L		07/11/25 07:00	07/14/25 18:44	1
Chrysene	ND		0.19	0.036	ug/L		07/11/25 07:00	07/14/25 18:44	1
Butyl benzyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenz(a,h)anthracene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chloroaniline	**0.49**	**J**	9.3	0.26	ug/L		07/11/25 07:00	07/14/25 18:44	1
Fluoranthene	ND		0.19	0.030	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chloro-3-methylphenol	ND		9.3	0.68	ug/L		07/11/25 07:00	07/14/25 18:44	1
Fluorene	ND		0.19	0.081	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Chloronaphthalene	ND		9.3	0.36	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Chlorophenol	ND		9.3	0.79	ug/L		07/11/25 07:00	07/14/25 18:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.030	ug/L		07/11/25 07:00	07/14/25 18:44	1
1-Methylnaphthalene	ND		0.19	0.062	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chlorophenyl phenyl ether	ND		9.3	0.22	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Methylnaphthalene	ND		0.19	0.072	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenz[a,h]acridine	ND	*+	9.3	0.64	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenzofuran	ND	*+	9.3	0.60	ug/L		07/11/25 07:00	07/14/25 18:44	1
3,3'-Dichlorobenzidine	ND		10	0.38	ug/L		07/11/25 07:00	07/14/25 18:44	1
Phenanthrene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dichlorophenol	ND		9.3	0.53	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pyrene	ND		0.19	0.089	ug/L		07/11/25 07:00	07/14/25 18:44	1
Diethyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dimethylphenol	ND		9.3	0.22	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dimethyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
Di-n-butyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.8	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dinitrophenol	ND		28	4.4	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dinitrotoluene	ND		9.3	0.61	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,6-Dinitrotoluene	ND		9.3	0.27	ug/L		07/11/25 07:00	07/14/25 18:44	1
Di-n-octyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
1,4-Dioxane	ND		9.3	4.0	ug/L		07/11/25 07:00	07/14/25 18:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.87	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachlorobenzene	ND		9.3	0.23	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachlorocyclopentadiene	ND		19	0.30	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachloroethane	ND		9.3	0.50	ug/L		07/11/25 07:00	07/14/25 18:44	1
Indene	ND		9.3	0.41	ug/L		07/11/25 07:00	07/14/25 18:44	1
Isophorone	ND		9.3	0.75	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Methylphenol	ND		9.3	0.71	ug/L		07/11/25 07:00	07/14/25 18:44	1
3 & 4 Methylphenol	ND		19	4.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Nitroaniline	ND		9.3	1.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
3-Nitroaniline	ND		9.3	0.89	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Nitroaniline	ND		9.3	3.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
Nitrobenzene	ND		9.3	0.56	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Nitrophenol	ND		9.3	1.1	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Nitrophenol	ND		9.3	2.6	ug/L		07/11/25 07:00	07/14/25 18:44	1
N-Nitrosodimethylamine	ND		9.3	0.91	ug/L		07/11/25 07:00	07/14/25 18:44	1

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.3	0.31	ug/L		07/11/25 07:00	07/14/25 18:44	1
N-Nitrosodiphenylamine	ND		9.3	0.18	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pentachlorophenol	ND		9.3	2.6	ug/L		07/11/25 07:00	07/14/25 18:44	1
Phenol	ND		9.3	0.64	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pyridine	ND	*+ UJ	9.3	2.8	ug/L		07/11/25 07:00	07/14/25 18:44	1
Quinoline	ND	*+	9.3	0.47	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4,5-Trichlorophenol	ND		9.3	0.50	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4,6-Trichlorophenol	ND		9.3	1.0	ug/L		07/11/25 07:00	07/14/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*15 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2-Fluorobiphenyl	*97*		*25 - 139*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Phenol-d5	*114*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW6D-ROX-070925

Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 17:14	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 17:14*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 17:14*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/15/25 17:14*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 15:19	1
Acrolein	ND		20	3.3	ug/L			07/14/25 15:19	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 15:19	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 15:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 15:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 15:19	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 15:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 15:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 15:19	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 15:19	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 15:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 15:19	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 15:19	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 15:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 15:19	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 15:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 15:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 15:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 15:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 15:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 15:19	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 15:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 15:19	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 15:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 15:19	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 15:19	1

Client Sample ID: MW6D-ROX-070925
Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 15:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 15:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 15:19	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 15:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 15:19	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 15:19	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 15:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 15:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 15:19	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 15:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 15:19	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 15:19	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 15:19	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 15:19	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 15:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 15:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 15:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 15:19	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 15:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/14/25 15:19*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 15:19*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 15:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/15/25 15:03*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/15/25 15:03*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/15/25 15:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.083	ug/L		07/11/25 07:00	07/14/25 19:21	1
Aniline	ND	*+	9.7	0.72	ug/L		07/11/25 07:00	07/14/25 19:21	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzenethiol	ND		9.7	0.58	ug/L		07/11/25 07:00	07/14/25 19:21	1

Client Sample ID: MW6D-ROX-070925
Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.19	0.071	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzoic acid	ND		97	78	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-chloroethoxy)methane	ND	*+	9.7	0.33	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[g,h,i]perylene	ND		0.19	0.051	ug/L		07/11/25 07:00	07/14/25 19:21	1
bis (2-chloroisopropyl) ether	ND		9.7	0.91	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/11/25 07:00	07/14/25 19:21	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:21	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/11/25 07:00	07/14/25 19:21	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/11/25 07:00	07/14/25 19:21	1
Fluorene	ND		0.19	0.085	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Chlorophenol	ND		9.7	0.82	ug/L		07/11/25 07:00	07/14/25 19:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:21	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenz[a,h]acridine	ND	*+	9.7	0.67	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenzofuran	ND	*+	9.7	0.62	ug/L		07/11/25 07:00	07/14/25 19:21	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 19:21	1
Phenanthrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dichlorophenol	ND		9.7	0.56	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pyrene	ND		0.19	0.093	ug/L		07/11/25 07:00	07/14/25 19:21	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/11/25 07:00	07/14/25 19:21	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/11/25 07:00	07/14/25 19:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.91	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachloroethane	ND		9.7	0.52	ug/L		07/11/25 07:00	07/14/25 19:21	1
Indene	ND		9.7	0.43	ug/L		07/11/25 07:00	07/14/25 19:21	1
Isophorone	ND		9.7	0.78	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/11/25 07:00	07/14/25 19:21	1

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6D-ROX-070925
Lab Sample ID: 400-278969-4
Date Collected: 07/09/25 09:55
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/11/25 07:00	07/14/25 19:21	1
3-Nitroaniline	ND		9.7	0.93	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/11/25 07:00	07/14/25 19:21	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodiphenylamine	ND		9.7	0.19	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/11/25 07:00	07/14/25 19:21	1
Phenol	ND		9.7	0.66	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pyridine	ND	*+UJ	9.7	2.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Quinoline	ND	*+	9.7	0.49	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4,5-Trichlorophenol	ND		9.7	0.53	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/11/25 07:00	07/14/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Terphenyl-d14	*54*		*43 - 147*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2-Fluorophenol	*115*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Phenol-d5	*132*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Terphenyl-d14	*54*		*28 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW13-ROX-070925

Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 17:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/15/25 17:38*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 17:38*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/15/25 17:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 16:22	1
Acrolein	ND		20	3.3	ug/L			07/14/25 16:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 16:22	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 16:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 16:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 16:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 16:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 16:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 16:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 16:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 16:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 16:22	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 16:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 16:22	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 16:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 16:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 16:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 16:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 16:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 16:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 16:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 16:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 16:22	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 16:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 16:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 16:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 16:22	1

Client Sample ID: MW13-ROX-070925
Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.54**	**J**	1.0	0.22	ug/L			07/14/25 16:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 16:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 16:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 16:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 16:22	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 16:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 16:22	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 16:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 16:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 16:22	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 16:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 16:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 16:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 16:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 16:22	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 16:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 16:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 16:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 16:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 16:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 16:22*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 16:22*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 16:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.081	ug/L		07/11/25 07:00	07/14/25 19:57	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/14/25 19:57	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzenethiol	ND		9.6	0.57	ug/L		07/11/25 07:00	07/14/25 19:57	1
Anthracene	ND		0.19	0.070	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzoic acid	ND		96	76	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[a]anthracene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzyl alcohol	ND		33	29	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.32	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[b]fluoranthene	ND		0.19	0.040	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 19:57	1

Client Sample ID: MW13-ROX-070925
Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/14/25 19:57	1
bis (2-chloroisopropyl) ether	ND		9.6	0.89	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[k]fluoranthene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Bromophenyl phenyl ether	ND		9.6	0.12	ug/L		07/11/25 07:00	07/14/25 19:57	1
Chrysene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 19:57	1
Butyl benzyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/14/25 19:57	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 19:57	1
Fluorene	ND		0.19	0.083	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Chloronaphthalene	ND		9.6	0.36	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Chlorophenol	ND		9.6	0.80	ug/L		07/11/25 07:00	07/14/25 19:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:57	1
1-Methylnaphthalene	ND		0.19	0.063	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenz[a,h]acridine	ND	*+	9.6	0.66	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenzofuran	ND	*+	9.6	0.61	ug/L		07/11/25 07:00	07/14/25 19:57	1
3,3'-Dichlorobenzidine	ND		11	0.39	ug/L		07/11/25 07:00	07/14/25 19:57	1
Phenanthrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dichlorophenol	ND		9.6	0.54	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pyrene	ND		0.19	0.091	ug/L		07/11/25 07:00	07/14/25 19:57	1
Diethyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dimethyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
Di-n-butyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dinitrotoluene	ND		9.6	0.62	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/14/25 19:57	1
Di-n-octyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/14/25 19:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.89	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/14/25 19:57	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/14/25 19:57	1
Isophorone	ND		9.6	0.76	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/14/25 19:57	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/14/25 19:57	1
3-Nitroaniline	ND		9.6	0.91	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Nitroaniline	ND		9.6	3.3	ug/L		07/11/25 07:00	07/14/25 19:57	1
Nitrobenzene	ND		9.6	0.57	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/14/25 19:57	1
N-Nitrosodimethylamine	ND		9.6	0.93	ug/L		07/11/25 07:00	07/14/25 19:57	1

Client Sample ID: MW13-ROX-070925
Lab Sample ID: 400-278969-5
Date Collected: 07/09/25 11:40
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/14/25 19:57	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/14/25 19:57	1
Phenol	ND		9.6	0.65	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/11/25 07:00	07/14/25 19:57	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4,6-Trichlorophenol	ND		9.6	1.0	ug/L		07/11/25 07:00	07/14/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Nitrobenzene-d5	*91*		*22 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Phenol-d5	*115*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:01	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/15/25 18:01*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/15/25 18:01*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 18:01*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 16:42	1
Acrolein	ND		20	3.3	ug/L			07/14/25 16:42	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 16:42	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 16:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 16:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 16:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 16:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 16:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 16:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 16:42	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 16:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 16:42	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 16:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 16:42	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 16:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 16:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 16:42	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 16:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 16:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 16:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 16:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 16:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 16:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 16:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 16:42	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 16:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 16:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 16:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 16:42	1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.57**	**J**	1.0	0.22	ug/L			07/14/25 16:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 16:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 16:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 16:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 16:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 16:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 16:42	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 16:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 16:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 16:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 16:42	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 16:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 16:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 16:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 16:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 16:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 16:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 16:42	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 16:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 16:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 16:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 16:42	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 16:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 16:42*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 16:42*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 16:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/11/25 07:00	07/14/25 20:33	1
Aniline	ND	*+	9.9	0.73	ug/L		07/11/25 07:00	07/14/25 20:33	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzenethiol	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 20:33	1
Anthracene	ND		0.20	0.072	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzoic acid	ND		99	79	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 20:33	1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/11/25 07:00	07/14/25 20:33	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/11/25 07:00	07/14/25 20:33	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 20:33	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/11/25 07:00	07/14/25 20:33	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chloro-3-methylphenol	**0.77**	**J**	9.9	0.72	ug/L		07/11/25 07:00	07/14/25 20:33	1
Fluorene	ND		0.20	0.086	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/11/25 07:00	07/14/25 20:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 20:33	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenz[a,h]acridine	ND	*+	9.9	0.68	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/11/25 07:00	07/14/25 20:33	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/14/25 20:33	1
Phenanthrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pyrene	ND		0.20	0.094	ug/L		07/11/25 07:00	07/14/25 20:33	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/11/25 07:00	07/14/25 20:33	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/11/25 07:00	07/14/25 20:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/11/25 07:00	07/14/25 20:33	1
Indene	ND		9.9	0.44	ug/L		07/11/25 07:00	07/14/25 20:33	1
Isophorone	ND		9.9	0.79	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/11/25 07:00	07/14/25 20:33	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/11/25 07:00	07/14/25 20:33	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/11/25 07:00	07/14/25 20:33	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/11/25 07:00	07/14/25 20:33	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/11/25 07:00	07/14/25 20:33	1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/11/25 07:00	07/14/25 20:33	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/11/25 07:00	07/14/25 20:33	1
Phenol	ND		9.9	0.67	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Quinoline	ND	*+	9.9	0.50	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/11/25 07:00	07/14/25 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2-Fluorobiphenyl	*91*		*25 - 139*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2-Fluorophenol	*113*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Phenol-d5	*126*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2,4,6-Tribromophenol	*105*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-B
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:03	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:03	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:03	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:03	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 17:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:03	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:03	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:03	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:03	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:03	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:03	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:03	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:03	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:03	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 17:03	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:03	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:03	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 17:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:03	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:03	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:03	1

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260-B
Lab Sample ID: 400-278969-7
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:03	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:03	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:03	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:03	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:03	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:03	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 17:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 17:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 17:03	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/14/25 17:03*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 17:03*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 17:03*	*1*

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260SIM-B
Lab Sample ID: 400-278969-8
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 14:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/15/25 14:07*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 14:07*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 14:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZE-ROX-070925

Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/15/25 18:25*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 18:25*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 18:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:24	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:24	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:24	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:24	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 17:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:24	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:24	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:24	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 17:24	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:24	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:24	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 17:24	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:24	1

Client Sample ID: ROST4PZE-ROX-070925
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 17:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:24	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:24	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:24	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:24	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 17:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:24	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:24	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:24	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:24	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 17:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 17:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 17:24	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 17:24*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 17:24*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/14/25 17:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/11/25 07:00	07/14/25 21:09	1
Aniline	ND	*+	9.9	0.73	ug/L		07/11/25 07:00	07/14/25 21:09	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzenethiol	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 21:09	1
Anthracene	ND		0.20	0.072	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzoic acid	ND		99	79	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 21:09	1

Client Sample ID: ROST4PZE-ROX-070925
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/11/25 07:00	07/14/25 21:09	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/11/25 07:00	07/14/25 21:09	1
Chrysene	ND		0.20	0.038	ug/L		07/11/25 07:00	07/14/25 21:09	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/11/25 07:00	07/14/25 21:09	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 21:09	1
Fluorene	ND		0.20	0.086	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/11/25 07:00	07/14/25 21:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:09	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenz[a,h]acridine	ND	*+	9.9	0.68	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/11/25 07:00	07/14/25 21:09	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 21:09	1
Phenanthrene	ND		0.20	0.043	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pyrene	ND		0.20	0.094	ug/L		07/11/25 07:00	07/14/25 21:09	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/11/25 07:00	07/14/25 21:09	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/11/25 07:00	07/14/25 21:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/11/25 07:00	07/14/25 21:09	1
Indene	ND		9.9	0.43	ug/L		07/11/25 07:00	07/14/25 21:09	1
Isophorone	ND		9.9	0.79	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/11/25 07:00	07/14/25 21:09	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/11/25 07:00	07/14/25 21:09	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/11/25 07:00	07/14/25 21:09	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/11/25 07:00	07/14/25 21:09	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/11/25 07:00	07/14/25 21:09	1

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZE-ROX-070925
Lab Sample ID: 400-278969-9
Date Collected: 07/09/25 09:15
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/11/25 07:00	07/14/25 21:09	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/11/25 07:00	07/14/25 21:09	1
Phenol	ND		9.9	0.67	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/11/25 07:00	07/14/25 21:09	1
Quinoline	ND	*+	9.9	0.49	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/11/25 07:00	07/14/25 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Terphenyl-d14	*73*		*43 - 147*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2-Fluorophenol	*124*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Phenol-d5	*134*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Terphenyl-d14	*73*		*28 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2,4,6-Tribromophenol	*112*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925

Lab Sample ID: 400-278969-10

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:48	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/15/25 18:48*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/15/25 18:48*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 18:48*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:45	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:45	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:45	1
Benzene	**1.1**		1.0	0.50	ug/L			07/14/25 17:45	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:45	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:45	1
2-Butanone (MEK)	**7.7**	**J**	25	2.6	ug/L			07/14/25 17:45	1
Carbon disulfide	**0.53**	**J**	1.0	0.50	ug/L			07/14/25 17:45	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:45	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:45	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:45	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:45	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:45	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 17:45	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:45	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:45	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:45	1
Isopropylbenzene	**4.1**		1.0	0.53	ug/L			07/14/25 17:45	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:45	1

Client Sample ID: ROST4PZC-ROX-070925
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:45	1
m-Xylene & p-Xylene	**28**		5.0	3.0	ug/L			07/14/25 17:45	1
Naphthalene	**69**		5.0	3.0	ug/L			07/14/25 17:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:45	1
N-Propylbenzene	**5.2**		1.0	0.69	ug/L			07/14/25 17:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:45	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:45	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:45	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:45	1
Toluene	**8.7**		1.0	0.90	ug/L			07/14/25 17:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:45	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:45	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:45	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:45	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 17:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:45	1
1,2,4-Trimethylbenzene	**4.5**		1.0	0.82	ug/L			07/14/25 17:45	1
1,3,5-Trimethylbenzene	**2.2**		1.0	0.56	ug/L			07/14/25 17:45	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Xylenes, Total	**30**		10	6.0	ug/L			07/14/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 17:45*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*07/14/25 17:45*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*07/14/25 17:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.96**		0.20	0.085	ug/L		07/11/25 07:00	07/14/25 21:46	1
Aniline	ND	*+	10	0.74	ug/L		07/11/25 07:00	07/14/25 21:46	1
Acenaphthylene	**0.095**	**J**	0.20	0.047	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzenethiol	ND		10	0.60	ug/L		07/11/25 07:00	07/14/25 21:46	1
Anthracene	**0.21**	J	0.20	0.073	ug/L		07/11/25 07:00	07/15/25 14:56	1
Benzoic acid	ND		100	80	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/11/25 07:00	07/14/25 21:46	1

Client Sample ID: ROST4PZC-ROX-070925
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/11/25 07:00	07/14/25 21:46	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/11/25 07:00	07/14/25 21:46	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:46	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chloroaniline	ND		10	0.28	ug/L		07/11/25 07:00	07/14/25 21:46	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/11/25 07:00	07/14/25 21:46	1
Fluorene	**0.61**		0.20	0.087	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Chlorophenol	ND		10	0.84	ug/L		07/11/25 07:00	07/14/25 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:46	1
1-Methylnaphthalene	**24**		0.20	0.066	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Methylnaphthalene	**11**		0.20	0.077	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenz[a,h]acridine	ND	*+	10	0.69	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenzofuran	ND	*+	10	0.64	ug/L		07/11/25 07:00	07/14/25 21:46	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/14/25 21:46	1
Phenanthrene	**0.86**		0.20	0.044	ug/L		07/11/25 07:00	07/15/25 14:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pyrene	ND		0.20	0.095	ug/L		07/11/25 07:00	07/14/25 21:46	1
Diethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/11/25 07:00	07/14/25 21:46	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
1,4-Dioxane	ND		10	4.3	ug/L		07/11/25 07:00	07/14/25 21:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachloroethane	ND		10	0.53	ug/L		07/11/25 07:00	07/14/25 21:46	1
Indene	ND		10	0.44	ug/L		07/11/25 07:00	07/14/25 21:46	1
Isophorone	ND		10	0.80	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Methylphenol	ND		10	0.76	ug/L		07/11/25 07:00	07/14/25 21:46	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Nitroaniline	ND		10	1.4	ug/L		07/11/25 07:00	07/14/25 21:46	1
3-Nitroaniline	ND		10	0.95	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Nitroaniline	ND		10	3.5	ug/L		07/11/25 07:00	07/14/25 21:46	1
Nitrobenzene	ND		10	0.60	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Nitrophenol	ND		10	1.2	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Nitrophenol	ND		10	2.7	ug/L		07/11/25 07:00	07/14/25 21:46	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/11/25 07:00	07/14/25 21:46	1

Client Sample ID: ROST4PZC-ROX-070925
Lab Sample ID: 400-278969-10
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/11/25 07:00	07/14/25 21:46	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pentachlorophenol	ND		10	2.8	ug/L		07/11/25 07:00	07/14/25 21:46	1
Phenol	ND		10	0.68	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Quinoline	ND	*+	10	0.50	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/11/25 07:00	07/14/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2-Fluorophenol	*113*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Phenol-d5	*123*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2,4,6-Tribromophenol	*112*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925-DUP

Lab Sample ID: 400-278969-11

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 19:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/15/25 19:11*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 19:11*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 19:11*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:06	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:06	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:06	1
Benzene	**1.0**		1.0	0.50	ug/L			07/14/25 18:06	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:06	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:06	1
2-Butanone (MEK)	**7.9**	**J**	25	2.6	ug/L			07/14/25 18:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:06	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:06	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:06	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:06	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:06	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:06	1
Isopropylbenzene	**4.6**		1.0	0.53	ug/L			07/14/25 18:06	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:06	1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:06	1
m-Xylene & p-Xylene	**29**		5.0	3.0	ug/L			07/14/25 18:06	1
Naphthalene	**77**		5.0	3.0	ug/L			07/14/25 18:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:06	1
N-Propylbenzene	**5.7**		1.0	0.69	ug/L			07/14/25 18:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:06	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:06	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:06	1
Toluene	**8.8**		1.0	0.90	ug/L			07/14/25 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:06	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:06	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:06	1
1,2,4-Trimethylbenzene	**4.2**		1.0	0.82	ug/L			07/14/25 18:06	1
1,3,5-Trimethylbenzene	**2.7**		1.0	0.56	ug/L			07/14/25 18:06	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Xylenes, Total	**31**		10	6.0	ug/L			07/14/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 18:06*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 18:06*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 18:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.0**		0.19	0.082	ug/L		07/11/25 07:00	07/14/25 22:23	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/14/25 22:23	1
Acenaphthylene	**0.095**	J	0.19	0.045	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzenethiol	ND		9.6	0.58	ug/L		07/11/25 07:00	07/14/25 22:23	1
Anthracene	**0.20**	J	0.19	0.070	ug/L		07/11/25 07:00	07/15/25 15:27	1
Benzoic acid	ND		96	77	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.33	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 22:23	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/14/25 22:23	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/11/25 07:00	07/14/25 22:23	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 22:23	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/14/25 22:23	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 22:23	1
Fluorene	**0.62**		0.19	0.084	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/11/25 07:00	07/14/25 22:23	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 22:23	1
1-Methylnaphthalene	**26**		0.19	0.064	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Methylnaphthalene	**13**		0.19	0.074	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenz[a,h]acridine	ND	*+	9.6	0.67	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenzofuran	**0.64**	J *+ J	9.6	0.62	ug/L		07/11/25 07:00	07/14/25 22:23	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 22:23	1
Phenanthrene	**0.90**		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 15:27	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pyrene	ND		0.19	0.092	ug/L		07/11/25 07:00	07/14/25 22:23	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/14/25 22:23	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/14/25 22:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/14/25 22:23	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/14/25 22:23	1
Isophorone	ND		9.6	0.77	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/14/25 22:23	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/14/25 22:23	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/11/25 07:00	07/14/25 22:23	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/14/25 22:23	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/11/25 07:00	07/14/25 22:23	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/14/25 22:23	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/14/25 22:23	1
Phenol	ND		9.6	0.66	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Terphenyl-d14	*66*		*43 - 147*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2-Fluorophenol	*117*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Nitrobenzene-d5	*101*		*22 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Phenol-d5	*130*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Terphenyl-d14	*66*		*28 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZG-ROX-070925

Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 19:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/15/25 19:35*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 19:35*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/15/25 19:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:26	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:26	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:26	1
Benzene	**8.3**		1.0	0.50	ug/L			07/14/25 18:26	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:26	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:26	1
2-Butanone (MEK)	**8.7**	**J**	25	2.6	ug/L			07/14/25 18:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:26	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:26	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:26	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:26	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:26	1
Ethylbenzene	**0.91**	**J**	1.0	0.50	ug/L			07/14/25 18:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:26	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:26	1
Isopropylbenzene	**2.2**		1.0	0.53	ug/L			07/14/25 18:26	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:26	1

Client Sample ID: ROST4PZG-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:26	1
m-Xylene & p-Xylene	**4.4**	**J**	5.0	3.0	ug/L			07/14/25 18:26	1
Naphthalene	**5.3**		5.0	3.0	ug/L			07/14/25 18:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:26	1
N-Propylbenzene	**2.5**		1.0	0.69	ug/L			07/14/25 18:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:26	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:26	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:26	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:26	1
Toluene	**1.3**		1.0	0.90	ug/L			07/14/25 18:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:26	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:26	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:26	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:26	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 18:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 18:26	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 18:26*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*07/14/25 18:26*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 18:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.086**	**J**	0.19	0.082	ug/L		07/11/25 07:00	07/15/25 13:32	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/15/25 13:32	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzenethiol	ND		9.6	0.58	ug/L		07/11/25 07:00	07/15/25 13:32	1
Anthracene	ND		0.19	0.070	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzoic acid	ND		96	77	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.33	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/15/25 13:32	1

Client Sample ID: ROST4PZG-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/15/25 13:32	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/11/25 07:00	07/15/25 13:32	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/15/25 13:32	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/15/25 13:32	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/15/25 13:32	1
Fluorene	ND		0.19	0.084	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/11/25 07:00	07/15/25 13:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/15/25 13:32	1
1-Methylnaphthalene	**3.7**		0.19	0.064	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Methylnaphthalene	**1.3**		0.19	0.074	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenz[a,h]acridine	ND	*+	9.6	0.67	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenzofuran	ND	*+	9.6	0.62	ug/L		07/11/25 07:00	07/15/25 13:32	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/15/25 13:32	1
Phenanthrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pyrene	ND		0.19	0.092	ug/L		07/11/25 07:00	07/15/25 13:32	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/15/25 13:32	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/15/25 13:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/15/25 13:32	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/15/25 13:32	1
Isophorone	ND		9.6	0.77	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/15/25 13:32	1
3 & 4 Methylphenol	**10**	**J**	19	4.4	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/15/25 13:32	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/11/25 07:00	07/15/25 13:32	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/15/25 13:32	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/11/25 07:00	07/15/25 13:32	1

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZG-ROX-070925
Lab Sample ID: 400-278969-12
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/15/25 13:32	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/15/25 13:32	1
Phenol	**0.91**	**J**	9.6	0.66	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pyridine	ND	*+	9.6	2.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/15/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2-Fluorobiphenyl	*91*		*25 - 139*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2-Fluorophenol	*117*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Phenol-d5	*132*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2,4,6-Tribromophenol	*108*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278969-1	TB-ROX-070925-8260-A	100	103	101
400-278969-3	MW6C-ROX-070925	104	101	102
400-278969-3 MS	MW6C-ROX-070925	101	95	101
400-278969-3 MSD	MW6C-ROX-070925	101	94	100
400-278969-4	MW6D-ROX-070925	103	104	102
400-278969-4 - RA	MW6D-ROX-070925	103	104	101
400-278969-5	MW13-ROX-070925	104	104	101
400-278969-6	P114R-ROX-070925	104	101	102
400-278969-7	TB-ROX-070925-8260-B	103	104	102
400-278969-9	ROST4PZE-ROX-070925	100	105	100
400-278969-10	ROST4PZC-ROX-070925	102	95	105
400-278969-11	ROST4PZC-ROX-070925-DUP	102	96	103
400-278969-12	ROST4PZG-ROX-070925	104	94	104
LCS 400-715908/1002	Lab Control Sample	100	96	102
LCS 400-716006/1002	Lab Control Sample	100	94	101
MB 400-715908/4	Method Blank	104	105	102
MB 400-716006/4	Method Blank	102	103	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278969-2	TB-ROX-070925-8260SIM-A	105	98	103
400-278969-3	MW6C-ROX-070925	105	97	100
400-278969-4	MW6D-ROX-070925	105	97	101
400-278969-5	MW13-ROX-070925	103	97	102
400-278969-6	P114R-ROX-070925	101	96	104
400-278969-8	TB-ROX-070925-8260SIM-B	106	98	103
400-278969-9	ROST4PZE-ROX-070925	101	99	103
400-278969-10	ROST4PZC-ROX-070925	95	100	104
400-278969-11	ROST4PZC-ROX-070925-DUP	94	99	104
400-278969-12	ROST4PZG-ROX-070925	94	99	106
LCS 400-716033/1004	Lab Control Sample	98	99	101
MB 400-716033/5	Method Blank	104	98	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278969-3	MW6C-ROX-070925	97	99	70	97	107	99	114	70
400-278969-4	MW6D-ROX-070925	88	88	54	88	115	88	132	54
400-278969-5	MW13-ROX-070925	87	91	60	87	107	91	115	60
400-278969-6	P114R-ROX-070925	91	92	60	91	113	92	126	60
400-278969-9	ROST4PZE-ROX-070925	94	102	73	94	124	102	134	73
400-278969-10	ROST4PZC-ROX-070925	94	102	61	94	113	102	123	61
400-278969-11	ROST4PZC-ROX-070925-DUP	94	101	66	94	117	101	130	66
400-278969-12	ROST4PZG-ROX-070925	91	83	61	91	117	83	132	61
LCS 400-715763/2-A	Lab Control Sample				87	93	89	118	81
LCS 400-715763/2-A	Lab Control Sample	89	98	76					
LCS 400-715763/4-A	Lab Control Sample				88	91	87	107	73
LCSD 400-715763/3-A	Lab Control Sample Dup				98	131	104	159 S1+	94
LCSD 400-715763/3-A	Lab Control Sample Dup	103	118	89					
LCSD 400-715763/5-A	Lab Control Sample Dup				93	114	95	132	80
MB 400-715763/1-A	Method Blank	89	94	75	89	85	94	96	75

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-278969-3	MW6C-ROX-070925	101
400-278969-4	MW6D-ROX-070925	90
400-278969-5	MW13-ROX-070925	104
400-278969-6	P114R-ROX-070925	105
400-278969-9	ROST4PZE-ROX-070925	112
400-278969-10	ROST4PZC-ROX-070925	112
400-278969-11	ROST4PZC-ROX-070925-DUP	110
400-278969-12	ROST4PZG-ROX-070925	108
LCS 400-715763/2-A	Lab Control Sample	87
LCS 400-715763/2-A	Lab Control Sample	
LCS 400-715763/4-A	Lab Control Sample	74
LCSD 400-715763/3-A	Lab Control Sample Dup	121
LCSD 400-715763/3-A	Lab Control Sample Dup	
LCSD 400-715763/5-A	Lab Control Sample Dup	84
MB 400-715763/1-A	Method Blank	62

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260-A
Lab Sample ID: 400-278969-1
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 14:17	RSG	EET PEN

Client Sample ID: TB-ROX-070925-8260SIM-A
Lab Sample ID: 400-278969-2
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 13:44	NMB	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 12:33	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 16:51	NMB	EET PEN
Total/NA	Prep	3511			32.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 18:44	JAW	EET PEN
Total/NA	Prep	3511			32.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 18:44	JAW	EET PEN

Client Sample ID: MW6D-ROX-070925
Lab Sample ID: 400-278969-4
Date Collected: 07/09/25 09:55
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 15:19	RSG	EET PEN
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	716006	07/15/25 15:03	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 17:14	NMB	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 19:21	JAW	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 19:21	JAW	EET PEN

Client Sample ID: MW13-ROX-070925
Lab Sample ID: 400-278969-5
Date Collected: 07/09/25 11:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 16:22	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 17:38	NMB	EET PEN
Total/NA	Prep	3511			31.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 19:57	JAW	EET PEN
Total/NA	Prep	3511			31.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 19:57	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P114R-ROX-070925
Lab Sample ID: 400-278969-6
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 16:42	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:01	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 20:33	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 20:33	JAW	EET PEN

Client Sample ID: TB-ROX-070925-8260-B
Lab Sample ID: 400-278969-7
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:03	RSG	EET PEN

Client Sample ID: TB-ROX-070925-8260SIM-B
Lab Sample ID: 400-278969-8
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 14:07	NMB	EET PEN

Client Sample ID: ROST4PZE-ROX-070925
Lab Sample ID: 400-278969-9
Date Collected: 07/09/25 09:15
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:24	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:25	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 21:09	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 21:09	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925
Lab Sample ID: 400-278969-10
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:45	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:48	NMB	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 21:46	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 21:46	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925
Lab Sample ID: 400-278969-10
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 14:56	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925-DUP
Lab Sample ID: 400-278969-11
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:06	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 19:11	NMB	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 22:23	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 22:23	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 15:27	JAW	EET PEN

Client Sample ID: ROST4PZG-ROX-070925
Lab Sample ID: 400-278969-12
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:26	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 19:35	NMB	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 13:32	UI	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 13:32	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715763/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 16:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 16:38	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715908/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 11:48	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716006/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 10:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716033/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:46	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715763/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 17:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 13:22	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715763/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 17:32	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715908/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 10:38	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716006/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 09:24	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716033/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:08	NMB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715763/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 17:51	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 14:24	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715763/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 18:08	JAW	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3 MS
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 13:14	RSG	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3 MSD
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 13:35	RSG	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-1	TB-ROX-070925-8260-A	Total/NA	Water	8260D	
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8260D	
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8260D	
400-278969-5	MW13-ROX-070925	Total/NA	Water	8260D	
400-278969-6	P114R-ROX-070925	Total/NA	Water	8260D	
400-278969-7	TB-ROX-070925-8260-B	Total/NA	Water	8260D	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8260D	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8260D	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8260D	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8260D	
MB 400-715908/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715908/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278969-3 MS	MW6C-ROX-070925	Total/NA	Water	8260D	
400-278969-3 MSD	MW6C-ROX-070925	Total/NA	Water	8260D	

Analysis Batch: 716006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-4 - RA	MW6D-ROX-070925	Total/NA	Water	8260D	
MB 400-716006/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716006/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-2	TB-ROX-070925-8260SIM-A	Total/NA	Water	8260D SIM	
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-5	MW13-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-6	P114R-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-8	TB-ROX-070925-8260SIM-B	Total/NA	Water	8260D SIM	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8260D SIM	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8260D SIM	
MB 400-716033/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716033/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715763/1-A	Method Blank	Total/NA	Water	8270E	715763

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715763/1-A	Method Blank	Total/NA	Water	8270E	715763
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Prep Batch: 715763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-4	MW6D-ROX-070925	Total/NA	Water	3511	
400-278969-5	MW13-ROX-070925	Total/NA	Water	3511	
400-278969-6	P114R-ROX-070925	Total/NA	Water	3511	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	3511	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	3511	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	3511	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	3511	
MB 400-715763/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715763/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715763/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 715880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8270E	715763
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8270E	715763
400-278969-5	MW13-ROX-070925	Total/NA	Water	8270E	715763
400-278969-6	P114R-ROX-070925	Total/NA	Water	8270E	715763
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8270E	715763
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763

Analysis Batch: 715881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8270E	715763
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8270E	715763
400-278969-5	MW13-ROX-070925	Total/NA	Water	8270E	715763
400-278969-6	P114R-ROX-070925	Total/NA	Water	8270E	715763
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8270E	715763
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763
LCS 400-715763/4-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Analysis Batch: 716008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8270E	715763

Analysis Batch: 716009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8270E	715763

Analysis Batch: 716020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 11:48	1
Acrolein	ND		20	3.3	ug/L			07/14/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 11:48	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 11:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 11:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 11:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 11:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 11:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 11:48	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 11:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 11:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 11:48	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 11:48*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 11:48*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 11:48*	*1*

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	232		ug/L		116	43 - 150
Acrolein	500	435		ug/L		87	38 - 150
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	54.5		ug/L		109	70 - 130
Bromobenzene	50.0	51.6		ug/L		103	70 - 132
Bromochloromethane	50.0	49.5		ug/L		99	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	50.6		ug/L		101	57 - 140
Bromomethane	50.0	36.6		ug/L		73	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	48.4		ug/L		97	61 - 137
Carbon tetrachloride	50.0	49.0		ug/L		98	61 - 137
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	50.0	41.2		ug/L		82	55 - 141
2-Chloroethyl vinyl ether	50.0	45.1		ug/L		90	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	57.7		ug/L		115	69 - 130
Chloromethane	50.0	38.2		ug/L		76	58 - 137
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	69 - 132
Dibromochloromethane	50.0	51.6		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	36.1		ug/L		72	41 - 146
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.0		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	55.4		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	53.6		ug/L		107	53 - 140
2-Hexanone	200	273		ug/L		136	65 - 137
Isopropylbenzene	50.0	55.0		ug/L		110	70 - 130
Methylene bromide	50.0	48.9		ug/L		98	70 - 130
Methylene Chloride	50.0	46.7		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.0		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	53.9		ug/L		108	70 - 130
Naphthalene	50.0	51.5		ug/L		103	47 - 149
n-Butylbenzene	50.0	60.2		ug/L		120	67 - 130
N-Propylbenzene	50.0	56.9		ug/L		114	70 - 130
o-Chlorotoluene	50.0	55.6		ug/L		111	70 - 130
o-Xylene	50.0	54.0		ug/L		108	70 - 130
p-Chlorotoluene	50.0	56.8		ug/L		114	70 - 130
p-Isopropyltoluene	50.0	57.5		ug/L		115	65 - 130
sec-Butylbenzene	50.0	57.8		ug/L		116	66 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
tert-Butylbenzene	50.0	55.1		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	51.4		ug/L		103	65 - 130
Toluene	50.0	54.3		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	54.5		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	38.0		ug/L		76	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	55.2		ug/L		110	70 - 130		
1,2,4-Trimethylbenzene			50.0	58.1		ug/L		116	70 - 130		
1,3,5-Trimethylbenzene			50.0	59.2		ug/L		118	69 - 130		
Vinyl acetate			100	87.9		ug/L		88	26 - 150		
Vinyl chloride			50.0	41.5		ug/L		83	59 - 136		
Xylenes, Total			100	108		ug/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: 400-278969-3 MS
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	ND	F1 F2	200	104		ug/L		52	43 - 150		
Acrolein	ND	F2	500	489		ug/L		98	38 - 150		
Acrylonitrile	ND	F2	500	635		ug/L		127	62 - 149		
Benzene	ND	F2	50.0	62.5		ug/L		125	56 - 142		
Bromobenzene	ND	F2	50.0	55.8		ug/L		112	59 - 136		
Bromochloromethane	ND	F2	50.0	58.3		ug/L		117	64 - 140		
Bromodichloromethane	ND	F2	50.0	58.2		ug/L		116	59 - 143		
Bromoform	ND	F2	50.0	58.1		ug/L		116	50 - 140		
Bromomethane	ND		50.0	38.9		ug/L		78	10 - 150		
2-Butanone (MEK)	ND	F1 F2	200	160		ug/L		80	55 - 150		
Carbon disulfide	ND	F2	50.0	55.8		ug/L		112	48 - 150		
Carbon tetrachloride	ND	F2	50.0	54.6		ug/L		109	55 - 145		
Chlorobenzene	ND	F2	50.0	58.3		ug/L		117	64 - 130		
Chloroethane	ND		50.0	47.8		ug/L		96	50 - 150		
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150		
Chloroform	ND	F2	50.0	57.0		ug/L		114	60 - 141		
1-Chlorohexane	ND	F2	50.0	55.9		ug/L		112	56 - 136		
Chloromethane	ND	F2	50.0	43.7		ug/L		87	49 - 148		
cis-1,2-Dichloroethene	ND	F2	50.0	57.6		ug/L		115	59 - 143		
cis-1,3-Dichloropropene	ND	F2	50.0	61.2		ug/L		122	57 - 140		
Dibromochloromethane	ND	F2	50.0	60.3		ug/L		121	56 - 143		
1,2-Dichlorobenzene	ND	F2	50.0	55.9		ug/L		112	52 - 137		
1,3-Dichlorobenzene	ND	F2	50.0	52.8		ug/L		106	54 - 135		
1,4-Dichlorobenzene	ND	F2	50.0	55.4		ug/L		111	53 - 135		
Dichlorodifluoromethane	ND	F2	50.0	39.8		ug/L		80	16 - 150		
1,1-Dichloroethane	ND	F2	50.0	58.9		ug/L		118	61 - 144		
1,2-Dichloroethane	ND	F2	50.0	57.0		ug/L		114	60 - 141		
1,1-Dichloroethene	ND	F2	50.0	55.8		ug/L		112	54 - 147		
1,2-Dichloropropane	ND	F2	50.0	63.2		ug/L		126	66 - 137		
1,3-Dichloropropane	ND	F2	50.0	63.7		ug/L		127	66 - 133		
2,2-Dichloropropane	ND	F2	50.0	53.7		ug/L		107	42 - 144		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278969-3 MS
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	ND	F2	50.0	58.3		ug/L		117	65 - 136
Ethylbenzene	ND	F2	50.0	56.4		ug/L		113	58 - 131
Ethyl methacrylate	ND	F1 F2	50.0	66.1	F1	ug/L		132	64 - 130
Hexachlorobutadiene	ND	F2	50.0	41.3		ug/L		83	31 - 149
2-Hexanone	ND	F1 F2	200	196		ug/L		98	65 - 140
Isopropylbenzene	ND	F2	50.0	53.7		ug/L		107	56 - 133
Methylene bromide	ND	F2	50.0	57.9		ug/L		116	63 - 138
Methylene Chloride	ND	F2	50.0	57.1		ug/L		114	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F2	200	248		ug/L		124	63 - 146
Methyl tert-butyl ether	ND	F2	50.0	58.8		ug/L		118	59 - 137
m-Xylene & p-Xylene	ND	F2	50.0	55.6		ug/L		111	57 - 130
Naphthalene	ND	F2	50.0	57.2		ug/L		114	25 - 150
n-Butylbenzene	ND	F2	50.0	49.4		ug/L		99	41 - 142
N-Propylbenzene	ND	F2	50.0	52.8		ug/L		106	51 - 138
o-Chlorotoluene	ND	F2	50.0	52.4		ug/L		105	53 - 134
o-Xylene	ND	F2	50.0	56.3		ug/L		113	61 - 130
p-Chlorotoluene	ND	F2	50.0	54.8		ug/L		110	54 - 133
p-Isopropyltoluene	ND	F2	50.0	51.5		ug/L		103	48 - 139
sec-Butylbenzene	ND	F2	50.0	52.0		ug/L		104	50 - 138
Styrene	ND	F2	50.0	56.9		ug/L		114	58 - 131
tert-Butylbenzene	ND	F2	50.0	52.1		ug/L		104	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	50.0	59.1		ug/L		118	59 - 137
1,1,2,2-Tetrachloroethane	ND	F2	50.0	66.7		ug/L		133	66 - 135
Tetrachloroethene	ND	F2	50.0	58.3		ug/L		117	52 - 133
Toluene	ND	F2	50.0	59.7		ug/L		119	65 - 130
trans-1,2-Dichloroethene	ND	F2	50.0	58.6		ug/L		117	61 - 143
trans-1,3-Dichloropropene	ND	F2	50.0	63.1		ug/L		126	53 - 133
1,2,3-Trichlorobenzene	ND	F2	50.0	50.2		ug/L		100	43 - 145
1,2,4-Trichlorobenzene	ND	F2	50.0	47.9		ug/L		96	39 - 148
1,1,1-Trichloroethane	ND	F2	50.0	55.4		ug/L		111	57 - 142
1,1,2-Trichloroethane	ND	F2	50.0	64.0		ug/L		128	66 - 131
Trichloroethene	ND	F2	50.0	55.5		ug/L		111	64 - 136
Trichlorofluoromethane	ND	F2	50.0	41.2		ug/L		82	54 - 150
1,2,3-Trichloropropane	ND	F2	50.0	65.9		ug/L		132	65 - 133
1,2,4-Trimethylbenzene	ND	F2	50.0	56.3		ug/L		113	50 - 139
1,3,5-Trimethylbenzene	ND	F2	50.0	55.8		ug/L		112	52 - 135
Vinyl acetate	ND	F2	100	98.0		ug/L		98	26 - 150
Vinyl chloride	ND	F2	50.0	46.5		ug/L		93	46 - 150
Xylenes, Total	ND	F2	100	112		ug/L		112	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278969-3 MSD
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1 F2	200	65.3	F1 F2	ug/L		33	43 - 150	46	30
Acrolein	ND	F2	500	337	F2	ug/L		67	38 - 150	37	31
Acrylonitrile	ND	F2	500	396	F2	ug/L		79	62 - 149	46	30
Benzene	ND	F2	50.0	38.5	F2	ug/L		77	56 - 142	47	30
Bromobenzene	ND	F2	50.0	33.8	F2	ug/L		68	59 - 136	49	30
Bromochloromethane	ND	F2	50.0	35.7	F2	ug/L		71	64 - 140	48	30
Bromodichloromethane	ND	F2	50.0	36.6	F2	ug/L		73	59 - 143	46	30
Bromoform	ND	F2	50.0	36.6	F2	ug/L		73	50 - 140	45	30
Bromomethane	ND		50.0	27.7		ug/L		55	10 - 150	34	50
2-Butanone (MEK)	ND	F1 F2	200	100	F1 F2	ug/L		50	55 - 150	46	30
Carbon disulfide	ND	F2	50.0	34.2	F2	ug/L		68	48 - 150	48	30
Carbon tetrachloride	ND	F2	50.0	33.6	F2	ug/L		67	55 - 145	48	30
Chlorobenzene	ND	F2	50.0	35.9	F2	ug/L		72	64 - 130	47	30
Chloroethane	ND		50.0	35.9		ug/L		72	50 - 150	28	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND	F2	50.0	35.3	F2	ug/L		71	60 - 141	47	30
1-Chlorohexane	ND	F2	50.0	32.8	F2	ug/L		66	56 - 136	52	30
Chloromethane	ND	F2	50.0	30.0	F2	ug/L		60	49 - 148	37	31
cis-1,2-Dichloroethene	ND	F2	50.0	35.4	F2	ug/L		71	59 - 143	48	30
cis-1,3-Dichloropropene	ND	F2	50.0	37.2	F2	ug/L		74	57 - 140	49	30
Dibromochloromethane	ND	F2	50.0	37.0	F2	ug/L		74	56 - 143	48	30
1,2-Dichlorobenzene	ND	F2	50.0	33.9	F2	ug/L		68	52 - 137	49	30
1,3-Dichlorobenzene	ND	F2	50.0	31.8	F2	ug/L		64	54 - 135	50	30
1,4-Dichlorobenzene	ND	F2	50.0	33.7	F2	ug/L		67	53 - 135	49	30
Dichlorodifluoromethane	ND	F2	50.0	28.5	F2	ug/L		57	16 - 150	33	31
1,1-Dichloroethane	ND	F2	50.0	37.2	F2	ug/L		74	61 - 144	45	30
1,2-Dichloroethane	ND	F2	50.0	36.0	F2	ug/L		72	60 - 141	45	30
1,1-Dichloroethene	ND	F2	50.0	35.0	F2	ug/L		70	54 - 147	46	30
1,2-Dichloropropane	ND	F2	50.0	39.1	F2	ug/L		78	66 - 137	47	30
1,3-Dichloropropane	ND	F2	50.0	39.7	F2	ug/L		79	66 - 133	46	30
2,2-Dichloropropane	ND	F2	50.0	33.3	F2	ug/L		67	42 - 144	47	31
1,1-Dichloropropene	ND	F2	50.0	36.2	F2	ug/L		72	65 - 136	47	30
Ethylbenzene	ND	F2	50.0	34.2	F2	ug/L		68	58 - 131	49	30
Ethyl methacrylate	ND	F1 F2	50.0	40.6	F2	ug/L		81	64 - 130	48	30
Hexachlorobutadiene	ND	F2	50.0	24.5	F2	ug/L		49	31 - 149	51	36
2-Hexanone	ND	F1 F2	200	124	F1 F2	ug/L		62	65 - 140	45	30
Isopropylbenzene	ND	F2	50.0	31.6	F2	ug/L		63	56 - 133	52	30
Methylene bromide	ND	F2	50.0	35.9	F2	ug/L		72	63 - 138	47	30
Methylene Chloride	ND	F2	50.0	34.9	F2	ug/L		70	60 - 146	48	32
4-Methyl-2-pentanone (MIBK)	ND	F2	200	154	F2	ug/L		77	63 - 146	47	30
Methyl tert-butyl ether	ND	F2	50.0	36.7	F2	ug/L		73	59 - 137	46	30
m-Xylene & p-Xylene	ND	F2	50.0	33.1	F2	ug/L		66	57 - 130	51	30
Naphthalene	ND	F2	50.0	37.3	F2	ug/L		75	25 - 150	42	30
n-Butylbenzene	ND	F2	50.0	28.5	F2	ug/L		57	41 - 142	54	31
N-Propylbenzene	ND	F2	50.0	31.4	F2	ug/L		63	51 - 138	51	30
o-Chlorotoluene	ND	F2	50.0	31.4	F2	ug/L		63	53 - 134	50	30
o-Xylene	ND	F2	50.0	33.5	F2	ug/L		67	61 - 130	51	30
p-Chlorotoluene	ND	F2	50.0	32.5	F2	ug/L		65	54 - 133	51	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-278969-3 MSD
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
p-Isopropyltoluene	ND	F2	50.0	30.1	F2	ug/L		60	48 - 139	52	30
sec-Butylbenzene	ND	F2	50.0	30.5	F2	ug/L		61	50 - 138	52	30
Styrene	ND	F2	50.0	33.7	F2	ug/L		67	58 - 131	51	30
tert-Butylbenzene	ND	F2	50.0	30.8	F2	ug/L		62	54 - 146	52	30
1,1,1,2-Tetrachloroethane	ND	F2	50.0	36.5	F2	ug/L		73	59 - 137	47	30
1,1,2,2-Tetrachloroethane	ND	F2	50.0	41.2	F2	ug/L		82	66 - 135	47	30
Tetrachloroethene	ND	F2	50.0	41.1	F2	ug/L		82	52 - 133	35	30
Toluene	ND	F2	50.0	36.2	F2	ug/L		72	65 - 130	49	30
trans-1,2-Dichloroethene	ND	F2	50.0	36.0	F2	ug/L		72	61 - 143	48	30
trans-1,3-Dichloropropene	ND	F2	50.0	38.4	F2	ug/L		77	53 - 133	49	30
1,2,3-Trichlorobenzene	ND	F2	50.0	32.5	F2	ug/L		65	43 - 145	43	30
1,2,4-Trichlorobenzene	ND	F2	50.0	30.4	F2	ug/L		61	39 - 148	45	30
1,1,1-Trichloroethane	ND	F2	50.0	33.9	F2	ug/L		68	57 - 142	48	30
1,1,2-Trichloroethane	ND	F2	50.0	39.4	F2	ug/L		79	66 - 131	48	30
Trichloroethene	ND	F2	50.0	34.7	F2	ug/L		69	64 - 136	46	30
Trichlorofluoromethane	ND	F2	50.0	28.2	F2	ug/L		56	54 - 150	37	30
1,2,3-Trichloropropane	ND	F2	50.0	41.2	F2	ug/L		82	65 - 133	46	30
1,2,4-Trimethylbenzene	ND	F2	50.0	32.9	F2	ug/L		66	50 - 139	52	30
1,3,5-Trimethylbenzene	ND	F2	50.0	33.0	F2	ug/L		66	52 - 135	51	30
Vinyl acetate	ND	F2	100	67.3	F2	ug/L		67	26 - 150	37	33
Vinyl chloride	ND	F2	50.0	32.9	F2	ug/L		66	46 - 150	34	30
Xylenes, Total	ND	F2	100	66.6	F2	ug/L		67	59 - 130	51	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/15/25 10:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/15/25 10:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 10:32*	*1*

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			50.0	42.5		ug/L		85	58 - 137		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-716033/5
Matrix: Water
Analysis Batch: 716033

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/15/25 11:46*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 11:46*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 11:46*	*1*

Lab Sample ID: LCS 400-716033/1004
Matrix: Water
Analysis Batch: 716033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.448		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.502		ug/L		100	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/11/25 07:00	07/11/25 16:38	1
Aniline	ND		10	0.74	ug/L		07/11/25 07:00	07/11/25 16:38	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzenethiol	ND		10	0.60	ug/L		07/11/25 07:00	07/11/25 16:38	1
Anthracene	ND		0.20	0.073	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzoic acid	ND		100	80	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/11/25 16:38	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/11/25 16:38	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/11/25 07:00	07/11/25 16:38	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/11/25 16:38	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/11/25 07:00	07/11/25 16:38	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/11/25 16:38	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chloroaniline	ND		10	0.28	ug/L		07/11/25 07:00	07/11/25 16:38	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/11/25 07:00	07/11/25 16:38	1
Fluorene	ND		0.20	0.087	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Chlorophenol	ND		10	0.84	ug/L		07/11/25 07:00	07/11/25 16:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/11/25 16:38	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenzofuran	ND		10	0.64	ug/L		07/11/25 07:00	07/11/25 16:38	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/11/25 16:38	1
Phenanthrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pyrene	ND		0.20	0.095	ug/L		07/11/25 07:00	07/11/25 16:38	1
Diethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/11/25 07:00	07/11/25 16:38	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
1,4-Dioxane	ND		10	4.3	ug/L		07/11/25 07:00	07/11/25 16:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachloroethane	ND		10	0.53	ug/L		07/11/25 07:00	07/11/25 16:38	1
Indene	ND		10	0.44	ug/L		07/11/25 07:00	07/11/25 16:38	1
Isophorone	ND		10	0.80	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Methylphenol	ND		10	0.76	ug/L		07/11/25 07:00	07/11/25 16:38	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Nitroaniline	ND		10	1.4	ug/L		07/11/25 07:00	07/11/25 16:38	1
3-Nitroaniline	ND		10	0.95	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Nitroaniline	ND		10	3.5	ug/L		07/11/25 07:00	07/11/25 16:38	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		10	0.60	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Nitrophenol	ND		10	1.2	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Nitrophenol	ND		10	2.7	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pentachlorophenol	ND		10	2.8	ug/L		07/11/25 07:00	07/11/25 16:38	1
Phenol	ND		10	0.68	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pyridine	ND		10	3.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Quinoline	ND		10	0.50	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/11/25 07:00	07/11/25 16:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*15 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Terphenyl-d14	*75*		*43 - 147*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2-Fluorobiphenyl	*89*		*25 - 139*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2-Fluorophenol	*85*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Phenol-d5	*96*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Terphenyl-d14	*75*		*28 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2,4,6-Tribromophenol	*62*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	56.9	*+	ug/L		171	10 - 134
Benzoic acid	214	157		ug/L		73	10 - 180
Benzyl alcohol	33.3	32.5	J	ug/L		98	10 - 150
Bis(2-chloroethoxy)methane	33.3	41.3	*+	ug/L		124	34 - 120
Bis(2-chloroethyl)ether	33.3	33.1		ug/L		99	32 - 114
bis (2-chloroisopropyl) ether	33.3	31.0		ug/L		93	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	32.8		ug/L		98	24 - 133
4-Bromophenyl phenyl ether	33.3	35.1		ug/L		105	24 - 120
Butyl benzyl phthalate	33.3	30.8		ug/L		92	24 - 140
4-Chloroaniline	33.3	45.9		ug/L		138	10 - 150
4-Chloro-3-methylphenol	33.3	35.4		ug/L		106	10 - 137
2-Chloronaphthalene	33.3	30.3		ug/L		91	10 - 150
2-Chlorophenol	33.3	29.5		ug/L		89	28 - 127
4-Chlorophenyl phenyl ether	33.3	31.4		ug/L		94	31 - 110
Dibenz[a,h]acridine	49.9	76.9	*+	ug/L		154	40 - 140
Dibenzofuran	33.3	40.3	*+	ug/L		121	35 - 110
3,3'-Dichlorobenzidine	33.3	32.1		ug/L		96	10 - 150
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Diethyl phthalate	33.3	20.2		ug/L		61	31 - 118

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	33.3	31.4		ug/L		94	10 - 142
Dimethyl phthalate	33.3	26.3		ug/L		79	24 - 125
Di-n-butyl phthalate	33.3	24.3		ug/L		73	30 - 127
4,6-Dinitro-ortho-cresol	66.7	52.3		ug/L		78	10 - 150
2,4-Dinitrophenol	66.7	42.6		ug/L		64	10 - 150
2,4-Dinitrotoluene	33.3	33.5		ug/L		100	30 - 129
2,6-Dinitrotoluene	33.3	34.9		ug/L		105	34 - 132
Di-n-octyl phthalate	33.3	31.9		ug/L		96	28 - 142
1,4-Dioxane	33.3	39.2		ug/L		118	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.7		ug/L		89	29 - 121
Hexachlorobenzene	33.3	34.6		ug/L		104	29 - 113
Hexachlorocyclopentadiene	33.3	21.3		ug/L		64	10 - 150
Hexachloroethane	33.3	19.1		ug/L		57	10 - 112
Indene	50.0	53.3		ug/L		107	10 - 113
Isophorone	33.3	31.6		ug/L		95	29 - 125
2-Methylphenol	33.3	35.8		ug/L		108	11 - 121
3 & 4 Methylphenol	33.3	42.4		ug/L		127	10 - 150
2-Nitroaniline	33.3	39.3		ug/L		118	31 - 141
3-Nitroaniline	33.3	40.2		ug/L		121	33 - 136
4-Nitroaniline	33.3	37.9		ug/L		114	37 - 139
Nitrobenzene	33.3	32.0		ug/L		96	29 - 129
2-Nitrophenol	33.3	30.2		ug/L		91	31 - 142
4-Nitrophenol	66.7	73.3		ug/L		110	10 - 150
N-Nitrosodimethylamine	33.3	41.4		ug/L		124	10 - 136
N-Nitrosodi-n-propylamine	33.3	35.9		ug/L		108	53 - 134
N-Nitrosodiphenylamine	33.1	34.0		ug/L		103	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	47.8		ug/L		143	10 - 150
Pyridine	66.7	169	*+	ug/L		254	10 - 150
Quinoline	49.9	77.5	*+	ug/L		155	50 - 150
2,4,5-Trichlorophenol	33.3	29.2		ug/L		88	27 - 136
2,4,6-Trichlorophenol	33.3	27.9		ug/L		84	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*89*		*22 - 150*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*81*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	33.1		ug/L		99	29 - 110
Acenaphthylene	33.3	33.4		ug/L		100	30 - 112

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Anthracene			33.3	34.4		ug/L		103	31 - 120		
Benzo[a]anthracene			33.3	36.6		ug/L		110	36 - 118		
Benzo[a]pyrene			33.3	35.2		ug/L		105	29 - 120		
Benzo[b]fluoranthene			33.3	37.9		ug/L		114	32 - 119		
Benzo[g,h,i]perylene			33.3	31.0		ug/L		93	28 - 115		
Benzo[k]fluoranthene			33.3	34.6		ug/L		104	30 - 118		
Chrysene			33.3	34.2		ug/L		103	34 - 113		
Dibenz(a,h)anthracene			33.3	32.8		ug/L		98	29 - 117		
Fluoranthene			33.3	33.2		ug/L		100	30 - 124		
Fluorene			33.3	33.7		ug/L		101	30 - 118		
Indeno[1,2,3-cd]pyrene			33.3	32.9		ug/L		99	28 - 115		
1-Methylnaphthalene			33.3	31.8		ug/L		95	25 - 120		
2-Methylnaphthalene			33.3	31.3		ug/L		94	24 - 110		
Phenanthrene			33.3	33.2		ug/L		99	32 - 115		
Pyrene			33.3	33.7		ug/L		101	30 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*98*		*50 - 150*
Terphenyl-d14	*76*		*43 - 147*

Lab Sample ID: LCS 400-715763/4-A
Matrix: Water
Analysis Batch: 715881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	36.9		ug/L		74	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*25 - 139*
2-Fluorophenol	*91*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*73*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			33.3	54.7	*+	ug/L		164	10 - 134	4	40
Benzoic acid			214	169		ug/L		79	10 - 180	7	40
Benzyl alcohol			33.3	31.7	J	ug/L		95	10 - 150	2	40
Bis(2-chloroethoxy)methane			33.3	38.1		ug/L		114	34 - 120	8	40
Bis(2-chloroethyl)ether			33.3	32.9		ug/L		99	32 - 114	1	40
bis (2-chloroisopropyl) ether			33.3	30.7		ug/L		92	32 - 115	1	40
Bis(2-ethylhexyl) phthalate			33.3	31.4		ug/L		94	24 - 133	4	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether			33.3	33.8		ug/L		101	24 - 120	4	40
Butyl benzyl phthalate			33.3	32.5		ug/L		98	24 - 140	6	40
4-Chloroaniline			33.3	41.9		ug/L		126	10 - 150	9	40
4-Chloro-3-methylphenol			33.3	32.6		ug/L		98	10 - 137	8	40
2-Chloronaphthalene			33.3	29.7		ug/L		89	10 - 150	2	40
2-Chlorophenol			33.3	29.7		ug/L		89	28 - 127	1	40
4-Chlorophenyl phenyl ether			33.3	30.1		ug/L		90	31 - 110	4	40
Dibenz[a,h]acridine			49.9	73.8	*+	ug/L		148	40 - 140	4	40
Dibenzofuran			33.3	38.0	*+	ug/L		114	35 - 110	6	40
3,3'-Dichlorobenzidine			33.3	32.3		ug/L		97	10 - 150	1	40
2,4-Dichlorophenol			33.3	27.5		ug/L		82	30 - 125	8	40
Diethyl phthalate			33.3	19.6		ug/L		59	31 - 118	3	40
2,4-Dimethylphenol			33.3	29.3		ug/L		88	10 - 142	7	40
Dimethyl phthalate			33.3	25.7		ug/L		77	24 - 125	2	40
Di-n-butyl phthalate			33.3	25.7		ug/L		77	30 - 127	6	40
4,6-Dinitro-ortho-cresol			66.7	52.7		ug/L		79	10 - 150	1	40
2,4-Dinitrophenol			66.7	42.4		ug/L		64	10 - 150	0	40
2,4-Dinitrotoluene			33.3	32.7		ug/L		98	30 - 129	2	40
2,6-Dinitrotoluene			33.3	34.0		ug/L		102	34 - 132	3	40
Di-n-octyl phthalate			33.3	30.9		ug/L		93	28 - 142	3	40
1,4-Dioxane			33.3	38.6		ug/L		116	10 - 137	1	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	28.8		ug/L		86	29 - 121	3	40
Hexachlorobenzene			33.3	33.1		ug/L		99	29 - 113	4	40
Hexachlorocyclopentadiene			33.3	20.5		ug/L		61	10 - 150	4	40
Hexachloroethane			33.3	20.7		ug/L		62	10 - 112	8	40
Indene			50.0	51.2		ug/L		102	10 - 113	4	40
Isophorone			33.3	31.2		ug/L		94	29 - 125	1	40
2-Methylphenol			33.3	34.0		ug/L		102	11 - 121	5	40
3 & 4 Methylphenol			33.3	42.4		ug/L		127	10 - 150	0	40
2-Nitroaniline			33.3	38.8		ug/L		116	31 - 141	1	40
3-Nitroaniline			33.3	39.0		ug/L		117	33 - 136	3	40
4-Nitroaniline			33.3	37.3		ug/L		112	37 - 139	2	40
Nitrobenzene			33.3	31.8		ug/L		95	29 - 129	1	40
2-Nitrophenol			33.3	27.9		ug/L		84	31 - 142	8	40
4-Nitrophenol			66.7	70.7		ug/L		106	10 - 150	4	40
N-Nitrosodimethylamine			33.3	40.4		ug/L		121	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	35.4		ug/L		106	53 - 134	2	40
N-Nitrosodiphenylamine			33.1	32.8		ug/L		99	62 - 132	3	40
Pentachlorophenol			66.7	64.4		ug/L		97	14 - 150	1	40
Phenol			33.3	47.9		ug/L		144	10 - 150	0	40
Pyridine			66.7	164	*+	ug/L		246	10 - 150	3	40
Quinoline			49.9	70.4		ug/L		141	50 - 150	10	40
2,4,5-Trichlorophenol			33.3	27.3		ug/L		82	27 - 136	7	40
2,4,6-Trichlorophenol			33.3	27.3		ug/L		82	21 - 132	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*25 - 139*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol	131		10 - 150
Nitrobenzene-d5	104		22 - 150
Phenol-d5	159	S1+	10 - 150
Terphenyl-d14	94		28 - 150
2,4,6-Tribromophenol	121		10 - 150

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	32.8		ug/L		98	29 - 110	1	40
Acenaphthylene			33.3	33.7		ug/L		101	30 - 112	1	40
Anthracene			33.3	32.9		ug/L		99	31 - 120	5	40
Benzo[a]anthracene			33.3	35.3		ug/L		106	36 - 118	4	40
Benzo[a]pyrene			33.3	34.1		ug/L		102	29 - 120	3	40
Benzo[b]fluoranthene			33.3	39.5		ug/L		118	32 - 119	4	40
Benzo[g,h,i]perylene			33.3	30.1		ug/L		90	28 - 115	3	40
Benzo[k]fluoranthene			33.3	31.4		ug/L		94	30 - 118	9	40
Chrysene			33.3	33.4		ug/L		100	34 - 113	2	40
Dibenz(a,h)anthracene			33.3	31.9		ug/L		96	29 - 117	3	40
Fluoranthene			33.3	31.2		ug/L		94	30 - 124	6	40
Fluorene			33.3	33.5		ug/L		101	30 - 118	0	40
Indeno[1,2,3-cd]pyrene			33.3	31.8		ug/L		95	28 - 115	4	40
1-Methylnaphthalene			33.3	32.0		ug/L		96	25 - 120	1	40
2-Methylnaphthalene			33.3	31.4		ug/L		94	24 - 110	0	40
Phenanthrene			33.3	32.2		ug/L		97	32 - 115	3	40
Pyrene			33.3	31.8		ug/L		95	30 - 126	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	103		15 - 150
Nitrobenzene-d5	118		50 - 150
Terphenyl-d14	89		43 - 147

Lab Sample ID: LCSD 400-715763/5-A
Matrix: Water
Analysis Batch: 715881

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	39.1		ug/L		78	10 - 150	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	93		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	95		22 - 150
Phenol-d5	132		10 - 150
Terphenyl-d14	80		28 - 150
2,4,6-Tribromophenol	84		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/9/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.McLean, M.Massa

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-070925-8260-A	7/9/2025	0000	Water	2					2	X			
	TB-ROX-070925-8260SIM-A	7/9/2025	0000	Water	2					2		X		
	MW6C-ROX-070925	7/9/2025	0910	Water	6			4		10	X	X	X	X
	MW6D-ROX-070925	7/9/2025	0955	Water	6			4		10	X	X	X	X
	MW13-ROX-070925	7/9/2025	1140	Water	6			4		10	X	X	X	X
	P114R-ROX-070925	7/9/2025	1240	Water	6			4		10	X	X	X	X

400-278969 Chain of Custody

Relinquished by: (Signature) S.MCLEAN	Received by: (Signature) FEDEX: 5564 3938 0301	Date: 7/9/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Gilliana Bankston	Date: 7/10/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEALS: 622028, 622029

2.6°C IR10

Version: 19Sept24

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7/23/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/9/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-070925-8260-B	7/9/2025	0000	Water	2					2	X			
	TB-ROX-070925-8260SIM-B	7/9/2025	0000	Water	2					2		X		
	ROST4PZE-ROX-070925	7/9/2025	09:15	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-070925	7/9/2025	10:40	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-070925-DUP	7/9/2025	10:40	Water	6			4		10	X	X	X	X
	ROST4PZG-ROX-070925	7/9/2025	12:40	Water	6			4		10	X	X	X	X

TJ 7/9/25

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/9/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Vittoria Bankston	Date: 7/10/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

2.6°C/IR10

7/23/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278969-1

Login Number: 278969
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279062-1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/29/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
P56-ROX-071025 MS/MSD	VOCs	Acrylonitrile	120/88	**31**	62-149/30
P56-ROX-071025 MS/MSD	VOCs	Benzene	112/82	**32**	56-142/30
P56-ROX-071025 MS/MSD	VOCs	Bromodichloromethane	106/77	**31**	59-143/30
P56-ROX-071025 MS/MSD	VOCs	2-Butanone (MEK)	79/56	**35**	55-150/30
P56-ROX-071025 MS/MSD	VOCs	Carbon tetrachloride	95/68	**33**	55-145/30
P56-ROX-071025 MS/MSD	VOCs	Chlorobenzene	100/71	**34**	64-130/30
P56-ROX-071025 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
P56-ROX-071025 MS/MSD	VOCs	1-Chlorohexane	92/62	**39**	56-136/30
P56-ROX-071025 MS/MSD	VOCs	cis-1,2-Dichloroethene	104/76	**31**	59-143/30
P56-ROX-071025 MS/MSD	VOCs	cis-1,3-Dichloropropene	112/80	**33**	57-140/30

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P56-ROX-071025 MS/MSD	VOCs	Dibromochloromethane	107/76	**34**	56-143/30
P56-ROX-071025 MS/MSD	VOCs	1,2-Dichloroethane	99/73	**31**	60-141/30
P56-ROX-071025 MS/MSD	VOCs	1,1-Dichloroethene	95/70	**31**	54-147/30
P56-ROX-071025 MS/MSD	VOCs	1,2-Dichloropropane	120/87	**32**	66-137/30
P56-ROX-071025 MS/MSD	VOCs	1,3-Dichloropropane	117/84	**33**	66-133/30
P56-ROX-071025 MS/MSD	VOCs	2,2-Dichloropropane	97/70	**32**	42-144/31
P56-ROX-071025 MS/MSD	VOCs	1,1-Dichloropropene	105/77	**32**	65-136/30
P56-ROX-071025 MS/MSD	VOCs	Ethylbenzene	95/66	**32**	58-131/30
P56-ROX-071025 MS/MSD	VOCs	Ethyl methacrylate	127/92	**33**	64-130/30
P56-ROX-071025 MS/MSD	VOCs	2-Hexanone	96/**64**	**40**	65-140/30
P56-ROX-071025 MS/MSD	VOCs	Methylene bromide	105/76	**32**	63-138/30
P56-ROX-071025 MS/MSD	VOCs	4-Methyl-2-pentanone (MIBK)	119/84	**35**	63-146/30
P56-ROX-071025 MS/MSD	VOCs	m-Xylene & p-Xylene	75/**50**	15	57-130/30
P56-ROX-071025 MS/MSD	VOCs	o-Xylene	94/66	**32**	61-130/30
P56-ROX-071025 MS/MSD	VOCs	Styrene	94/67	**34**	58-131/30
P56-ROX-071025 MS/MSD	VOCs	1,1,1,2-Tetrachloroethane	105/73	**35**	59-137/30
P56-ROX-071025 MS/MSD	VOCs	Tetrachloroethene	89/63	**35**	52-133/30
P56-ROX-071025 MS/MSD	VOCs	Toluene	104/74	**34**	65-130/30
P56-ROX-071025 MS/MSD	VOCs	trans-1,2-Dichloroethene	105/77	**31**	61-143/30
P56-ROX-071025 MS/MSD	VOCs	trans-1,3-Dichloropropene	113/79	**35**	53-133/30
P56-ROX-071025 MS/MSD	VOCs	1,1,1-Trichloroethane	98/70	**33**	57-142/30
P56-ROX-071025 MS/MSD	VOCs	1,1,2-Trichloroethane	119/86	**32**	66-131/30
P56-ROX-071025 MS/MSD	VOCs	Trichloroethene	101/72	**34**	64-136/30
P56-ROX-071025 MS/MSD	VOCs	Xylenes, Total	84/**58**	20	59-130/30

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
P56-ROX-071025	VOCs	2-Chloroethyl vinyl ether	**UJ**
P56-ROX-071025	VOCs	2-Hexanone	**UJ**
P56-ROX-071025	VOCs	m-Xylene & p-Xylene	**J**
P56-ROX-071025	VOCs	Xylenes, Total	**J**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716006/1002	VOCs	2-Hexanone	**144**	NA	65-137
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Chrysene	108/**115**	6	34-113/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Fluoranthene	**130/136**	5	30-124/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Pyrene	**134/142**	6	30-126/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	2-Methylphenol	118/**122**	3	11-121/40
LCS 400-715837/2-A LCSD 400-715837/3-A	SVOCs	Phenol	145/**156**	7	10-150/40
LCS 400-715837/2-A LCSD 400-715837/3-A	SVOCs	Pyridine	**192/198**	3	10-150/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Analytical data that required qualification based on LCS/LCSD data are referenced below.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
P57-ROX-071025	SVOCs	Phenol	**J**
P93C-ROX-071025	SVOCs	Phenol	**J**
P93C-ROX-071025-DUP	SVOCs	Phenol	**J**

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (PAHs)					
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.		X		
Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.					
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-071025-DUP	PAHs	2-Methylphenol	**J**

Blank ID	Parameter	Analyte	Concentration/Amount
P56-ROX-071025-EB	SVOCs	Phenol	1.1 µg/L

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)

The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P56-ROX-071025	VOCs	Trichlorofluoromethane	UJ
MW14-ROX-071025	VOCs	Chloromethane	UJ
MW14-ROX-071025	VOCs	Trichlorofluoromethane	UJ
MW14-ROX-071025-DUP	VOCs	Chloromethane	UJ
MW14-ROX-071025-DUP	VOCs	Trichlorofluoromethane	UJ
P57-ROX-071025	VOCs	Chloromethane	UJ
P57-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93D-ROX-071025	VOCs	Chloromethane	UJ
P93D-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93C-ROX-071025	VOCs	Chloromethane	UJ
P93C-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93C-ROX-071025-DUP	VOCs	Chloromethane	UJ
P93C-ROX-071025-DUP	VOCs	Trichlorofluoromethane	UJ

Method 8270E (PAHs)

The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
MW14-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
MW14-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
MW14-ROX-071025-DUP	PAHs	Indeno[1,2,3-cd]pyrene	UJ
MW14-ROX-071025-DUP	PAHs	Dibenz(a,h)anthracene	UJ
MW14-ROX-071025-DUP	PAHs	Benzo[g,h,i]perylene	UJ
P56-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P56-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P56-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P57-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P57-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P57-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P93D-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93D-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P93D-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

P93C-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93C-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P93C-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P93C-ROX-071025-DUP	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93C-ROX-071025-DUP	PAHs	Dibenz(a,h)anthracene	UJ
P93C-ROX-071025-DUP	PAHs	Benzo[g,h,i]perylene	UJ

Method 8270E (SVOCs)

The initial calibration verification (ICV) for pyridine and continuing calibration verification (CCV) for di-n-octyl phthalate and benzenethiol were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-071025	SVOCs	Pyridine	UJ
MW14-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
MW14-ROX-071025	SVOCs	Benzenethiol	UJ
MW14-ROX-071025-DUP	SVOCs	Pyridine	UJ
MW14-ROX-071025-DUP	SVOCs	Di-n-octyl phthalate	UJ
MW14-ROX-071025-DUP	SVOCs	Benzenethiol	UJ
P56-ROX-071025	SVOCs	Pyridine	UJ
P56-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P56-ROX-071025	SVOCs	Benzenethiol	UJ
P57-ROX-071025	SVOCs	Pyridine	UJ
P57-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P57-ROX-071025	SVOCs	Benzenethiol	UJ
P93D-ROX-071025	SVOCs	Pyridine	UJ
P93D-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P93D-ROX-071025	SVOCs	Benzenethiol	UJ
P93C-ROX-071025	SVOCs	Pyridine	UJ
P93C-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P93C-ROX-071025	SVOCs	Benzenethiol	UJ
P93C-ROX-071025-DUP	SVOCs	Pyridine	UJ
P93C-ROX-071025-DUP	SVOCs	Di-n-octyl phthalate	UJ
P93C-ROX-071025-DUP	SVOCs	Benzenethiol	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/24/2025 11:36:31 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279062-1

Reviewed 8/29/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Job Narrative
400-279062-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/11/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715908 recovered outside acceptance criteria, low biased, for Chloromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-716006 recovered outside control limits for the following analytes: 2-Hexanone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716006 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1-Chlorohexane, N-Propylbenzene, p-Isopropyltoluene and sec-Butylbenzene . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-716006/2).

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93C-ROX-071025 (400-279062-11) and P93C-ROX-071025-DUP (400-279062-12). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-071025-8260-A (400-279062-1), P93C-ROX-071025 (400-279062-11) and P93C-ROX-071025-DUP (400-279062-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716138 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P56-ROX-071025 (400-279062-8). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: P56-ROX-071025 (400-279062-8). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-716138 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-716138 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-716138 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-716138 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716008 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample (LCS) for preparation batch 400-715837 and analytical batch 400-716008 recovered outside control limits for the following analytes: Fluoranthene and Pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-715837 and analytical batch 400-716008 recovered outside control limits for the following analytes: Chrysene, Fluoranthene and Pyrene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716148 recovered above the upper control limit for Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716148 recovered outside acceptance criteria, low biased, for Benzo[g,h,i]perylene, Chrysene, Dibenz(a,h)anthracene, Indeno[1,2,3-cd]pyrene and Terphenyl-d14. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716009 recovered above the upper control limit for Aniline, Benzyl alcohol, Butyl benzyl phthalate, Dibenzofuran, 2,4-Dimethylphenol, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered above the upper control limit for Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate and Terphenyl-d14. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-715837 and analytical batch 400-716009: Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 400-715837 and analytical batch 400-716009: 2-Methylphenol, Phenol and Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered outside acceptance criteria, low biased, for Benzenethiol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for

the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279062-1	TB-ROX-071025-8260-A	Water	07/10/25 00:00	07/11/25 09:42
400-279062-2	TB-ROX-071025-8260SIM-A	Water	07/10/25 00:00	07/11/25 09:42
400-279062-3	MW14-ROX-071025	Water	07/10/25 09:45	07/11/25 09:42
400-279062-4	MW14-ROX-071025-DUP	Water	07/10/25 09:45	07/11/25 09:42
400-279062-5	TB-ROX-071025-8260-B	Water	07/10/25 00:00	07/11/25 09:42
400-279062-6	TB-ROX-071025-8260SIM-B	Water	07/10/25 00:00	07/11/25 09:42
400-279062-7	P56-ROX-071025-EB	Water	07/10/25 09:45	07/11/25 09:42
400-279062-8	P56-ROX-071025	Water	07/10/25 10:25	07/11/25 09:42
400-279062-9	P57-ROX-071025	Water	07/10/25 11:35	07/11/25 09:42
400-279062-10	P93D-ROX-071025	Water	07/10/25 13:00	07/11/25 09:42
400-279062-11	P93C-ROX-071025	Water	07/10/25 14:05	07/11/25 09:42
400-279062-12	P93C-ROX-071025-DUP	Water	07/10/25 14:05	07/11/25 09:42

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-A — Lab Sample ID: 400-279062-1

No Detections.

Client Sample ID: TB-ROX-071025-8260SIM-A — Lab Sample ID: 400-279062-2

No Detections.

Client Sample ID: MW14-ROX-071025 — Lab Sample ID: 400-279062-3

No Detections.

Client Sample ID: MW14-ROX-071025-DUP — Lab Sample ID: 400-279062-4

No Detections.

Client Sample ID: TB-ROX-071025-8260-B — Lab Sample ID: 400-279062-5

No Detections.

Client Sample ID: TB-ROX-071025-8260SIM-B — Lab Sample ID: 400-279062-6

No Detections.

Client Sample ID: P56-ROX-071025-EB — Lab Sample ID: 400-279062-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	1.1	J *+	9.9	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P56-ROX-071025 — Lab Sample ID: 400-279062-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.1		2.0	1.8	ug/L	2		8260D	Total/NA
Ethylbenzene	8.2	F2	2.0	1.0	ug/L	2		8260D	Total/NA
Isopropylbenzene	31		2.0	1.1	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	110	F1 J	10	6.0	ug/L	2		8260D	Total/NA
Naphthalene	9.4	J	10	6.0	ug/L	2		8260D	Total/NA
n-Butylbenzene	2.1		2.0	1.5	ug/L	2		8260D	Total/NA
N-Propylbenzene	36		2.0	1.4	ug/L	2		8260D	Total/NA
o-Xylene	6.0	J F2	10	6.0	ug/L	2		8260D	Total/NA
p-Isopropyltoluene	1.9	J	2.0	1.4	ug/L	2		8260D	Total/NA
sec-Butylbenzene	3.6		2.0	1.4	ug/L	2		8260D	Total/NA
1,2,4-Trimethylbenzene	49		2.0	1.6	ug/L	2		8260D	Total/NA
1,3,5-Trimethylbenzene	16		2.0	1.1	ug/L	2		8260D	Total/NA
Xylenes, Total	110	F1 J	20	12	ug/L	2		8260D	Total/NA
Acenaphthene	1.3		0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthylene	0.086	J	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene	0.077	J	0.20	0.072	ug/L	1		8270E	Total/NA
Fluorene	0.60		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	16		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	16		0.20	0.076	ug/L	1		8270E	Total/NA
Dibenzofuran	0.75	J	9.9	0.63	ug/L	1		8270E	Total/NA
Phenanthrene	1.1		0.20	0.044	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	0.24	J	9.9	0.24	ug/L	1		8270E	Total/NA

Client Sample ID: P57-ROX-071025 — Lab Sample ID: 400-279062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.2		1.0	0.50	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P57-ROX-071025 (Continued) — Lab Sample ID: 400-279062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.1	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	0.51	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	12		1.0	0.53	ug/L	1		8260D	Total/NA
n-Butylbenzene	1.0		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	8.8		1.0	0.69	ug/L	1		8260D	Total/NA
sec-Butylbenzene	2.8		1.0	0.70	ug/L	1		8260D	Total/NA
tert-Butylbenzene	3.3		1.0	0.63	ug/L	1		8260D	Total/NA
Toluene	2.8		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.18	J	0.20	0.083	ug/L	1		8270E	Total/NA
Acenaphthylene	0.067	J	0.20	0.046	ug/L	1		8270E	Total/NA
Fluorene	0.67		0.20	0.085	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	13		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	14		0.20	0.075	ug/L	1		8270E	Total/NA
Dibenzofuran	0.65	J	9.8	0.63	ug/L	1		8270E	Total/NA
Phenanthrene	0.34		0.20	0.043	ug/L	1		8270E	Total/NA
Phenol	0.78	J *+ J	9.8	0.67	ug/L	1		8270E	Total/NA

Client Sample ID: P93D-ROX-071025 — Lab Sample ID: 400-279062-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.51	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: P93C-ROX-071025 — Lab Sample ID: 400-279062-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.41	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	1700		10	5.0	ug/L	10		8260D	Total/NA
Phenol	29	*+ J	9.9	0.67	ug/L	1		8270E	Total/NA

Client Sample ID: P93C-ROX-071025-DUP — Lab Sample ID: 400-279062-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.35	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	1900		10	5.0	ug/L	10		8260D	Total/NA
2-Methylphenol	1.2	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	31	*+ J	9.9	0.67	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-A
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/15/25 18:52	1
Acrolein	ND		20	3.3	ug/L			07/15/25 18:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/25 18:52	1
Benzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/25 18:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/25 18:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Bromoform	ND		5.0	0.25	ug/L			07/15/25 18:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/25 18:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/25 18:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/15/25 18:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/15/25 18:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/25 18:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/25 18:52	1
Chloroform	ND		1.0	0.90	ug/L			07/15/25 18:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/15/25 18:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 18:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/15/25 18:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/25 18:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/15/25 18:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/25 18:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/25 18:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/25 18:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/15/25 18:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/15/25 18:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/25 18:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/25 18:52	1
2-Hexanone	ND	*+	25	4.3	ug/L			07/15/25 18:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/25 18:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/15/25 18:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/25 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/25 18:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/15/25 18:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/25 18:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/25 18:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/25 18:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/25 18:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/25 18:52	1

Client Sample ID: TB-ROX-071025-8260-A
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/25 18:52	1
Styrene	ND		1.0	1.0	ug/L			07/15/25 18:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/25 18:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/15/25 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/15/25 18:52	1
Toluene	ND		1.0	0.90	ug/L			07/15/25 18:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/15/25 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/15/25 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/25 18:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/15/25 18:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/15/25 18:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/15/25 18:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/15/25 18:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/25 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/25 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/25 18:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/15/25 18:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/15/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/15/25 18:52*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/15/25 18:52*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/15/25 18:52*	*1*

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071025-8260SIM-A
Lab Sample ID: 400-279062-2
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 14:50	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/16/25 14:50*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 14:50*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/16/25 14:50*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:00	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/16/25 16:00*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/16/25 16:00*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 16:00*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:47	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:47	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:47	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:47	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 18:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:47	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:47	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:47	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:47	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:47	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 18:47	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:47	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:47	1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 18:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:47	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:47	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:47	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:47	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:47	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:47	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:47	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 18:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 18:47	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 18:47*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 18:47*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 18:47*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 20:16	1
Aniline	ND		9.9	0.74	ug/L		07/12/25 07:00	07/16/25 20:16	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzenethiol	ND	UJ	9.9	0.60	ug/L		07/12/25 07:00	07/16/25 20:16	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:16	1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.052	ug/L		07/12/25 07:00	07/16/25 20:16	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 20:16	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 20:16	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 20:16	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:16	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 20:16	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:16	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 20:16	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 20:16	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 20:16	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 20:16	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 20:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 20:16	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 20:16	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 20:16	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 20:16	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 20:16	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 20:16	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 20:16	1

Client Sample ID: MW14-ROX-071025
Lab Sample ID: 400-279062-3
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 20:16	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 20:16	1
Phenol	ND	*+	9.9	0.68	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Terphenyl-d14	*47*		*43 - 147*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Phenol-d5	*116*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Terphenyl-d14	*47*		*28 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2,4,6-Tribromophenol	*94*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: MW14-ROX-071025-DUP

Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:23	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 16:23*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/16/25 16:23*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 16:23*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:08	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:08	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:08	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:08	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:08	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:08	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:08	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:08	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:08	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:08	1

Client Sample ID: MW14-ROX-071025-DUP
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:08	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:08	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:08	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:08	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:08	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:08	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 19:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:08	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/14/25 19:08*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 19:08*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 19:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 20:52	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:52	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 20:52	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 20:52	1

Client Sample ID: MW14-ROX-071025-DUP
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 20:52	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 20:52	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 20:52	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 20:52	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 20:52	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 20:52	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:52	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/16/25 20:52	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 20:52	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 20:52	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 20:52	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 20:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 20:52	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 20:52	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 20:52	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 20:52	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 20:52	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 20:52	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 20:52	1

Client Sample ID: MW14-ROX-071025-DUP
Lab Sample ID: 400-279062-4
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 20:52	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 20:52	1
Phenol	ND	*+	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Phenol-d5	*116*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-B
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:29	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:29	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:29	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:29	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:29	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:29	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:29	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 19:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:29	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:29	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:29	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-B
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:29	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:29	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:29	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 19:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:29	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*07/14/25 19:29*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 19:29*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 19:29*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260SIM-B
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-6
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 15:13	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/16/25 15:13*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 15:13*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/16/25 15:13*	*1*

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P56-ROX-071025-EB
Lab Sample ID: 400-279062-7
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 15:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 15:37*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 15:37*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 15:37*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:50	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:50	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:50	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:50	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:50	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:50	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:50	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:50	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:50	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 19:50	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:50	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:50	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:50	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:50	1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:50	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:50	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:50	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:50	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:50	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:50	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:50	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:50	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:50	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 19:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:50	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/14/25 19:50*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 19:50*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 19:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 21:29	1
Aniline	ND		9.9	0.74	ug/L		07/12/25 07:00	07/16/25 21:29	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzenethiol	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 21:29	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 21:29	1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/12/25 07:00	07/16/25 21:29	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 21:29	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 21:29	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 21:29	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 21:29	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 21:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/16/25 21:29	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 21:29	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 21:29	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 21:29	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 21:29	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 21:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 21:29	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 21:29	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 21:29	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 21:29	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 21:29	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 21:29	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 21:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 21:29	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 21:29	1
Phenol	**1.1**	**J *+**	9.9	0.68	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pyridine	ND	*+	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Terphenyl-d14	*73*		*43 - 147*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Phenol-d5	*123*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Terphenyl-d14	*73*		*28 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P56-ROX-071025

Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 10:56	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 10:56*	*1*
Toluene-d8 (Surr)	*103*		*50 - 150*		*07/16/25 10:56*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 10:56*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			07/16/25 12:09	2
Acrolein	ND		40	6.6	ug/L			07/16/25 12:09	2
Acrylonitrile	ND	F2	20	5.6	ug/L			07/16/25 12:09	2
Benzene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
Bromobenzene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
Bromochloromethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Bromodichloromethane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
Bromoform	ND		10	0.50	ug/L			07/16/25 12:09	2
Bromomethane	ND		2.0	2.0	ug/L			07/16/25 12:09	2
2-Butanone (MEK)	ND	F2	50	5.2	ug/L			07/16/25 12:09	2
Carbon disulfide	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Carbon tetrachloride	ND	F2	2.0	0.38	ug/L			07/16/25 12:09	2
Chlorobenzene	ND	F2	2.0	0.84	ug/L			07/16/25 12:09	2
Chloroethane	ND		2.0	1.5	ug/L			07/16/25 12:09	2
2-Chloroethyl vinyl ether	ND	F1 UJ	10	4.0	ug/L			07/16/25 12:09	2
Chloroform	**3.1**		2.0	1.8	ug/L			07/16/25 12:09	2
1-Chlorohexane	ND	F2	2.0	0.64	ug/L			07/16/25 12:09	2
Chloromethane	ND		2.0	0.80	ug/L			07/16/25 12:09	2
cis-1,2-Dichloroethene	ND	F2	2.0	0.40	ug/L			07/16/25 12:09	2
cis-1,3-Dichloropropene	ND	F2	10	1.0	ug/L			07/16/25 12:09	2
Dibromochloromethane	ND	F2	2.0	0.48	ug/L			07/16/25 12:09	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			07/16/25 12:09	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			07/16/25 12:09	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			07/16/25 12:09	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
1,2-Dichloroethane	ND	F2	2.0	1.1	ug/L			07/16/25 12:09	2
1,1-Dichloroethene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,2-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,3-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
2,2-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,1-Dichloropropene	ND	F2	2.0	0.18	ug/L			07/16/25 12:09	2
Ethylbenzene	**8.2**	**F2**	2.0	1.0	ug/L			07/16/25 12:09	2
Ethyl methacrylate	ND	F2	2.0	1.2	ug/L			07/16/25 12:09	2
Hexachlorobutadiene	ND		10	1.8	ug/L			07/16/25 12:09	2
2-Hexanone	ND	F2 F1 UJ	50	8.5	ug/L			07/16/25 12:09	2
Isopropylbenzene	**31**		2.0	1.1	ug/L			07/16/25 12:09	2
Methylene bromide	ND	F2	10	0.44	ug/L			07/16/25 12:09	2
Methylene Chloride	ND		10	6.0	ug/L			07/16/25 12:09	2
4-Methyl-2-pentanone (MIBK)	ND	F2	50	3.6	ug/L			07/16/25 12:09	2

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			07/16/25 12:09	2
m-Xylene & p-Xylene	**110**	**F1 J**	10	6.0	ug/L			07/16/25 12:09	2
Naphthalene	**9.4**	**J**	10	6.0	ug/L			07/16/25 12:09	2
n-Butylbenzene	**2.1**		2.0	1.5	ug/L			07/16/25 12:09	2
N-Propylbenzene	**36**		2.0	1.4	ug/L			07/16/25 12:09	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
o-Xylene	**6.0**	**J F2**	10	6.0	ug/L			07/16/25 12:09	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
p-Isopropyltoluene	**1.9**	**J**	2.0	1.4	ug/L			07/16/25 12:09	2
sec-Butylbenzene	**3.6**		2.0	1.4	ug/L			07/16/25 12:09	2
Styrene	ND	F2	2.0	2.0	ug/L			07/16/25 12:09	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			07/16/25 12:09	2
1,1,1,2-Tetrachloroethane	ND	F2	2.0	0.76	ug/L			07/16/25 12:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Tetrachloroethene	ND	F2	2.0	0.66	ug/L			07/16/25 12:09	2
Toluene	ND	F2	2.0	1.8	ug/L			07/16/25 12:09	2
trans-1,2-Dichloroethene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
trans-1,3-Dichloropropene	ND	F2	10	0.40	ug/L			07/16/25 12:09	2
1,2,3-Trichlorobenzene	ND		2.0	1.8	ug/L			07/16/25 12:09	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			07/16/25 12:09	2
1,1,1-Trichloroethane	ND	F2	2.0	0.36	ug/L			07/16/25 12:09	2
1,1,2-Trichloroethane	ND	F2	10	0.42	ug/L			07/16/25 12:09	2
Trichloroethene	ND	F2	2.0	0.30	ug/L			07/16/25 12:09	2
Trichlorofluoromethane	ND	UJ	2.0	0.50	ug/L			07/16/25 12:09	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			07/16/25 12:09	2
1,2,4-Trimethylbenzene	**49**		2.0	1.6	ug/L			07/16/25 12:09	2
1,3,5-Trimethylbenzene	**16**		2.0	1.1	ug/L			07/16/25 12:09	2
Vinyl acetate	ND		50	1.9	ug/L			07/16/25 12:09	2
Vinyl chloride	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Xylenes, Total	**110**	**F1 J**	20	12	ug/L			07/16/25 12:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/16/25 12:09*	*2*
Dibromofluoromethane	*94*		*79 - 130*		*07/16/25 12:09*	*2*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/16/25 12:09*	*2*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.3**		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 22:05	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 22:05	1
Acenaphthylene	**0.086**	**J**	0.20	0.047	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 22:05	1
Anthracene	**0.077**	**J**	0.20	0.072	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 22:05	1

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 22:05	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 22:05	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:05	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 22:05	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 22:05	1
Fluorene	**0.60**		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 22:05	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 22:05	1
1-Methylnaphthalene	**16**		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Methylnaphthalene	**16**		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenzofuran	**0.75**	**J**	9.9	0.63	ug/L		07/12/25 07:00	07/16/25 22:05	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 22:05	1
Phenanthrene	**1.1**		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 22:05	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dimethylphenol	**0.24**	**J**	9.9	0.24	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 22:05	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 22:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 22:05	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 22:05	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 22:05	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 22:05	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 22:05	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 22:05	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 22:05	1

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 22:05	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 22:05	1
Phenol	ND	*+	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Phenol-d5	*113*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:10	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 17:10*	*1*
Toluene-d8 (Surr)	*102*		*50 - 150*		*07/16/25 17:10*	*1*
4-Bromofluorobenzene	*113*		*50 - 150*		*07/16/25 17:10*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:10	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:10	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:10	1
Benzene	**7.2**		1.0	0.50	ug/L			07/14/25 20:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:10	1
2-Butanone (MEK)	**3.1**	J	25	2.6	ug/L			07/14/25 20:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:10	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:10	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:10	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:10	1
Ethylbenzene	**0.51**	J	1.0	0.50	ug/L			07/14/25 20:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:10	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:10	1
Isopropylbenzene	**12**		1.0	0.53	ug/L			07/14/25 20:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:10	1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 20:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
n-Butylbenzene	**1.0**		1.0	0.76	ug/L			07/14/25 20:10	1
N-Propylbenzene	**8.8**		1.0	0.69	ug/L			07/14/25 20:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:10	1
sec-Butylbenzene	**2.8**		1.0	0.70	ug/L			07/14/25 20:10	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:10	1
tert-Butylbenzene	**3.3**		1.0	0.63	ug/L			07/14/25 20:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:10	1
Toluene	**2.8**		1.0	0.90	ug/L			07/14/25 20:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:10	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:10	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 20:10*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*07/14/25 20:10*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 20:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.18**	**J**	0.20	0.083	ug/L		07/12/25 07:00	07/16/25 22:41	1
Aniline	ND		9.8	0.73	ug/L		07/12/25 07:00	07/16/25 22:41	1
Acenaphthylene	**0.067**	**J**	0.20	0.046	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzenethiol	ND	UJ	9.8	0.59	ug/L		07/12/25 07:00	07/16/25 22:41	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzoic acid	ND		98	78	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzyl alcohol	ND		34	29	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 22:41	1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 22:41	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/12/25 07:00	07/16/25 22:41	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 22:41	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chloroaniline	ND		9.8	0.27	ug/L		07/12/25 07:00	07/16/25 22:41	1
Fluoranthene	ND	*+	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 22:41	1
Fluorene	**0.67**		0.20	0.085	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Chlorophenol	ND		9.8	0.82	ug/L		07/12/25 07:00	07/16/25 22:41	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 22:41	1
1-Methylnaphthalene	**13**		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Methylnaphthalene	**14**		0.20	0.075	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenzofuran	**0.65**	**J**	9.8	0.63	ug/L		07/12/25 07:00	07/16/25 22:41	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 22:41	1
Phenanthrene	**0.34**		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/12/25 07:00	07/16/25 22:41	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		07/12/25 07:00	07/16/25 22:41	1
Di-n-octyl phthalate	ND	UJ	9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/12/25 07:00	07/16/25 22:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/12/25 07:00	07/16/25 22:41	1
Indene	ND		9.8	0.43	ug/L		07/12/25 07:00	07/16/25 22:41	1
Isophorone	ND		9.8	0.78	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/12/25 07:00	07/16/25 22:41	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/12/25 07:00	07/16/25 22:41	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/12/25 07:00	07/16/25 22:41	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Nitrophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 22:41	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/12/25 07:00	07/16/25 22:41	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/12/25 07:00	07/16/25 22:41	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pentachlorophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 22:41	1
Phenol	**0.78**	J *+ J	9.8	0.67	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pyridine	ND	*+ UJ	9.8	2.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Quinoline	ND		9.8	0.49	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Terphenyl-d14	*56*		*43 - 147*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2-Fluorophenol	*99*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Nitrobenzene-d5	*82*		*22 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Phenol-d5	*111*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Terphenyl-d14	*56*		*28 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2,4,6-Tribromophenol	*114*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93D-ROX-071025
Lab Sample ID: 400-279062-10
Date Collected: 07/10/25 13:00
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:34	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*50 - 150*		*07/16/25 17:34*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 17:34*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/16/25 17:34*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:31	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:31	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:31	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:31	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 20:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:31	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:31	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:31	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:31	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 20:31	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:31	1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.51**	**J**	1.0	0.22	ug/L			07/14/25 20:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 20:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 20:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:31	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 20:31	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 20:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:31	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 20:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:31	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:31	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:31	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 20:31*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/14/25 20:31*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 20:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 23:18	1
Aniline	ND		9.8	0.73	ug/L		07/12/25 07:00	07/16/25 23:18	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzenethiol	ND	UJ	9.8	0.59	ug/L		07/12/25 07:00	07/16/25 23:18	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzoic acid	ND		98	79	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzyl alcohol	ND		34	30	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 23:18	1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 23:18	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/12/25 07:00	07/16/25 23:18	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 23:18	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/12/25 07:00	07/16/25 23:18	1
Fluoranthene	ND	*+	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 23:18	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/12/25 07:00	07/16/25 23:18	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 23:18	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/12/25 07:00	07/16/25 23:18	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 23:18	1
Phenanthrene	ND		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/12/25 07:00	07/16/25 23:18	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/12/25 07:00	07/16/25 23:18	1
Di-n-octyl phthalate	ND	UJ	9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/12/25 07:00	07/16/25 23:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/12/25 07:00	07/16/25 23:18	1
Indene	ND		9.8	0.43	ug/L		07/12/25 07:00	07/16/25 23:18	1
Isophorone	ND		9.8	0.79	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/12/25 07:00	07/16/25 23:18	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/12/25 07:00	07/16/25 23:18	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/12/25 07:00	07/16/25 23:18	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 23:18	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/12/25 07:00	07/16/25 23:18	1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/12/25 07:00	07/16/25 23:18	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/12/25 07:00	07/16/25 23:18	1
Phenol	ND	*+	9.8	0.67	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pyridine	ND	*+ UJ	9.8	3.0	ug/L		07/12/25 07:00	07/16/25 23:18	1
Quinoline	ND		9.8	0.49	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Terphenyl-d14	*53*		*43 - 147*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2-Fluorobiphenyl	*86*		*25 - 139*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2-Fluorophenol	*109*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Phenol-d5	*121*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Terphenyl-d14	*53*		*28 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:57	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 17:57*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 17:57*	*1*
4-Bromofluorobenzene	*109*		*50 - 150*		*07/16/25 17:57*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:52	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 20:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:52	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:52	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:52	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 20:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:52	1
Methyl tert-butyl ether	**0.41**	**J**	1.0	0.22	ug/L			07/14/25 20:52	1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 20:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 20:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 20:52	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 20:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:52	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 20:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:52	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 20:52*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 20:52*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 20:52*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1700**		10	5.0	ug/L			07/15/25 19:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/15/25 19:34*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/15/25 19:34*	*10*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 19:34*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 23:54	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 23:54	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 23:54	1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 23:54	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 23:54	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 23:54	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 23:54	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 23:54	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 23:54	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 23:54	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/16/25 23:54	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 23:54	1
Phenanthrene	ND		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 23:54	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 23:54	1
Di-n-octyl phthalate	ND	UJ	9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/12/25 07:00	07/16/25 23:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 23:54	1
Indene	ND		9.9	0.43	ug/L		07/12/25 07:00	07/16/25 23:54	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 23:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 23:54	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 23:54	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 23:54	1
Phenol	**29**	*+ J	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 23:54	1
Quinoline	ND		9.9	0.49	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Terphenyl-d14	*49*		*43 - 147*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Phenol-d5	*110*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Terphenyl-d14	*49*		*28 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2,4,6-Tribromophenol	*96*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 18:21	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 18:21*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 18:21*	*1*
4-Bromofluorobenzene	*107*		*50 - 150*		*07/16/25 18:21*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 21:13	1
Acrolein	ND		20	3.3	ug/L			07/14/25 21:13	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 21:13	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 21:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 21:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 21:13	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 21:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 21:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 21:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 21:13	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 21:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 21:13	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 21:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 21:13	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 21:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 21:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 21:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 21:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 21:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 21:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 21:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 21:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 21:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 21:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 21:13	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 21:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 21:13	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 21:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 21:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 21:13	1
Methyl tert-butyl ether	**0.35**	**J**	1.0	0.22	ug/L			07/14/25 21:13	1

Client Sample ID: P93C-ROX-071025-DUP

Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 21:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 21:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 21:13	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 21:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 21:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 21:13	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 21:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 21:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 21:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 21:13	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 21:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 21:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 21:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 21:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 21:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 21:13	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 21:13	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 21:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 21:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 21:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 21:13	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 21:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 21:13*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 21:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 21:13*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1900**		10	5.0	ug/L			07/15/25 19:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/15/25 19:55*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/15/25 19:55*	*10*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/15/25 19:55*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/17/25 00:29	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/17/25 00:29	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/17/25 00:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/17/25 00:29	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/17/25 00:29	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/17/25 00:29	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/17/25 00:29	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/17/25 00:29	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/17/25 00:29	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/17/25 00:29	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/17/25 00:29	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/17/25 00:29	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/17/25 00:29	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/17/25 00:29	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/17/25 00:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/17/25 00:29	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/17/25 00:29	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Methylphenol	**1.2**	**J *+** J	9.9	0.75	ug/L		07/12/25 07:00	07/17/25 00:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/17/25 00:29	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/17/25 00:29	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/17/25 00:29	1
Phenol	**31**	*+ J	9.9	0.67	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/17/25 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Phenol-d5	*112*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279062-1	TB-ROX-071025-8260-A	103	104	104
400-279062-3	MW14-ROX-071025	100	96	102
400-279062-4	MW14-ROX-071025-DUP	101	96	102
400-279062-5	TB-ROX-071025-8260-B	107	101	103
400-279062-7	P56-ROX-071025-EB	101	102	103
400-279062-8	P56-ROX-071025	100	94	103
400-279062-8 MS	P56-ROX-071025	102	93	100
400-279062-8 MSD	P56-ROX-071025	108	94	103
400-279062-9	P57-ROX-071025	104	94	104
400-279062-10	P93D-ROX-071025	102	103	101
400-279062-11	P93C-ROX-071025	104	102	103
400-279062-11 - DL	P93C-ROX-071025	100	99	103
400-279062-12	P93C-ROX-071025-DUP	102	102	104
400-279062-12 - DL	P93C-ROX-071025-DUP	101	99	102
LCS 400-715908/1002	Lab Control Sample	100	96	102
LCS 400-716006/1002	Lab Control Sample	100	94	101
LCS 400-716138/1002	Lab Control Sample	101	96	101
MB 400-715908/4	Method Blank	104	105	102
MB 400-716006/4	Method Blank	102	103	103
MB 400-716138/4	Method Blank	104	102	102

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279062-2	TB-ROX-071025-8260SIM-A	99	98	104
400-279062-3	MW14-ROX-071025	95	100	106
400-279062-4	MW14-ROX-071025-DUP	94	100	106
400-279062-6	TB-ROX-071025-8260SIM-B	100	97	103
400-279062-7	P56-ROX-071025-EB	101	98	105
400-279062-8	P56-ROX-071025	93	103	105
400-279062-9	P57-ROX-071025	94	102	113
400-279062-10	P93D-ROX-071025	97	97	103
400-279062-11	P93C-ROX-071025	94	99	109
400-279062-12	P93C-ROX-071025-DUP	93	97	107
LCS 400-716127/1004	Lab Control Sample	94	100	105
MB 400-716127/6	Method Blank	101	98	106

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
400-279062-3	MW14-ROX-071025	76	83	47	76	101	83	116	47
400-279062-4	MW14-ROX-071025-DUP	79	85	51	79	101	85	116	51
400-279062-7	P56-ROX-071025-EB	79	87	73	79	107	87	123	73
400-279062-8	P56-ROX-071025	76	84	52	76	100	84	113	52
400-279062-9	P57-ROX-071025	80	82	56	80	99	82	111	56
400-279062-10	P93D-ROX-071025	86	93	53	86	109	93	121	53
400-279062-11	P93C-ROX-071025	77	86	49	77	98	86	110	49
400-279062-12	P93C-ROX-071025-DUP	80	86	52	80	100	86	112	52
LCS 400-715837/2-A	Lab Control Sample	83	84	83	83	108	84	131	83
LCS 400-715837/4-A	Lab Control Sample				83	105	85	120	78
LCSD 400-715837/3-A	Lab Control Sample Dup	82	87	84	82	112	87	136	84
LCSD 400-715837/5-A	Lab Control Sample Dup				86	107	86	122	85
MB 400-715837/1-A	Method Blank	86	92	81	86	108	92	117	81

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-279062-3	MW14-ROX-071025	94
400-279062-4	MW14-ROX-071025-DUP	100
400-279062-7	P56-ROX-071025-EB	102
400-279062-8	P56-ROX-071025	103
400-279062-9	P57-ROX-071025	114
400-279062-10	P93D-ROX-071025	104
400-279062-11	P93C-ROX-071025	96
400-279062-12	P93C-ROX-071025-DUP	101
LCS 400-715837/2-A	Lab Control Sample	107
LCS 400-715837/4-A	Lab Control Sample	76
LCSD 400-715837/3-A	Lab Control Sample Dup	109
LCSD 400-715837/5-A	Lab Control Sample Dup	80
MB 400-715837/1-A	Method Blank	87

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071025-8260-A
Lab Sample ID: 400-279062-1
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 18:52	RSG	EET PEN

Client Sample ID: TB-ROX-071025-8260SIM-A
Lab Sample ID: 400-279062-2
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 14:50	NMB	EET PEN

Client Sample ID: MW14-ROX-071025
Lab Sample ID: 400-279062-3
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:47	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:00	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 20:16	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 20:16	UI	EET PEN

Client Sample ID: MW14-ROX-071025-DUP
Lab Sample ID: 400-279062-4
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:08	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:23	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 20:52	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 20:52	UI	EET PEN

Client Sample ID: TB-ROX-071025-8260-B
Lab Sample ID: 400-279062-5
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:29	RSG	EET PEN

Client Sample ID: TB-ROX-071025-8260SIM-B
Lab Sample ID: 400-279062-6
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 15:13	NMB	EET PEN

Client Sample ID: P56-ROX-071025-EB
Lab Sample ID: 400-279062-7
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:50	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 15:37	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 21:29	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 21:29	UI	EET PEN

Client Sample ID: P56-ROX-071025
Lab Sample ID: 400-279062-8
Date Collected: 07/10/25 10:25
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:09	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 10:56	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 22:05	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 22:05	UI	EET PEN

Client Sample ID: P57-ROX-071025
Lab Sample ID: 400-279062-9
Date Collected: 07/10/25 11:35
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:10	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:10	NMB	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 22:41	UI	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 22:41	UI	EET PEN

Client Sample ID: P93D-ROX-071025
Lab Sample ID: 400-279062-10
Date Collected: 07/10/25 13:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:31	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:34	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93D-ROX-071025
Lab Sample ID: 400-279062-10
Date Collected: 07/10/25 13:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.5 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 23:18	UI	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 23:18	UI	EET PEN

Client Sample ID: P93C-ROX-071025
Lab Sample ID: 400-279062-11
Date Collected: 07/10/25 14:05
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:52	RSG	EET PEN
Total/NA	Analysis	8260D	DL	10	5 mL	5 mL	716006	07/15/25 19:34	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:57	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 23:54	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 23:54	UI	EET PEN

Client Sample ID: P93C-ROX-071025-DUP
Lab Sample ID: 400-279062-12
Date Collected: 07/10/25 14:05
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 21:13	RSG	EET PEN
Total/NA	Analysis	8260D	DL	10	5 mL	5 mL	716006	07/15/25 19:55	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 18:21	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/17/25 00:29	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/17/25 00:29	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715837/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 18:21	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 18:21	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715908/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 11:48	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716006/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 10:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716127/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 09:07	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716138/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716138	07/16/25 11:28	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715837/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 18:57	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 18:57	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715837/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 20:09	UI	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715908/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 10:38	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716006/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 09:24	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716127/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 07:59	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716138/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716138	07/16/25 10:18	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715837/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 19:33	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 19:33	UI	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715837/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 20:45	UI	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:30	CAR	EET PEN

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:51	CAR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8260D	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8260D	
400-279062-5	TB-ROX-071025-8260-B	Total/NA	Water	8260D	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8260D	
400-279062-9	P57-ROX-071025	Total/NA	Water	8260D	
400-279062-10	P93D-ROX-071025	Total/NA	Water	8260D	
400-279062-11	P93C-ROX-071025	Total/NA	Water	8260D	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8260D	
MB 400-715908/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715908/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-1	TB-ROX-071025-8260-A	Total/NA	Water	8260D	
400-279062-11 - DL	P93C-ROX-071025	Total/NA	Water	8260D	
400-279062-12 - DL	P93C-ROX-071025-DUP	Total/NA	Water	8260D	
MB 400-716006/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716006/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-2	TB-ROX-071025-8260SIM-A	Total/NA	Water	8260D SIM	
400-279062-3	MW14-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8260D SIM	
400-279062-6	TB-ROX-071025-8260SIM-B	Total/NA	Water	8260D SIM	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8260D SIM	
400-279062-8	P56-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-9	P57-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-10	P93D-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-11	P93C-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8260D SIM	
MB 400-716127/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716127/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-8	P56-ROX-071025	Total/NA	Water	8260D	
MB 400-716138/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716138/1002	Lab Control Sample	Total/NA	Water	8260D	
400-279062-8 MS	P56-ROX-071025	Total/NA	Water	8260D	
400-279062-8 MSD	P56-ROX-071025	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 715837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	3511	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	3511	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	3511	
400-279062-8	P56-ROX-071025	Total/NA	Water	3511	
400-279062-9	P57-ROX-071025	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-10	P93D-ROX-071025	Total/NA	Water	3511	
400-279062-11	P93C-ROX-071025	Total/NA	Water	3511	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	3511	
MB 400-715837/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715837/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715837/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715837/1-A	Method Blank	Total/NA	Water	8270E	715837
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837

Analysis Batch: 716009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715837/1-A	Method Blank	Total/NA	Water	8270E	715837
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCS 400-715837/4-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837
LCSD 400-715837/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837

Analysis Batch: 716148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8270E	715837
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8270E	715837
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8270E	715837
400-279062-8	P56-ROX-071025	Total/NA	Water	8270E	715837
400-279062-9	P57-ROX-071025	Total/NA	Water	8270E	715837
400-279062-10	P93D-ROX-071025	Total/NA	Water	8270E	715837
400-279062-11	P93C-ROX-071025	Total/NA	Water	8270E	715837
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8270E	715837

Analysis Batch: 716149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8270E	715837
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8270E	715837
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8270E	715837
400-279062-8	P56-ROX-071025	Total/NA	Water	8270E	715837
400-279062-9	P57-ROX-071025	Total/NA	Water	8270E	715837
400-279062-10	P93D-ROX-071025	Total/NA	Water	8270E	715837
400-279062-11	P93C-ROX-071025	Total/NA	Water	8270E	715837
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8270E	715837

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 11:48	1
Acrolein	ND		20	3.3	ug/L			07/14/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 11:48	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 11:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 11:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 11:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 11:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 11:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 11:48	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 11:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 11:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 11:48	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 11:48*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 11:48*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 11:48*	*1*

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	232		ug/L		116	43 - 150
Acrolein	500	435		ug/L		87	38 - 150
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	54.5		ug/L		109	70 - 130
Bromobenzene	50.0	51.6		ug/L		103	70 - 132
Bromochloromethane	50.0	49.5		ug/L		99	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	50.6		ug/L		101	57 - 140
Bromomethane	50.0	36.6		ug/L		73	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	48.4		ug/L		97	61 - 137
Carbon tetrachloride	50.0	49.0		ug/L		98	61 - 137
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	50.0	41.2		ug/L		82	55 - 141
2-Chloroethyl vinyl ether	50.0	45.1		ug/L		90	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	57.7		ug/L		115	69 - 130
Chloromethane	50.0	38.2		ug/L		76	58 - 137
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	69 - 132
Dibromochloromethane	50.0	51.6		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	36.1		ug/L		72	41 - 146
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.0		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	55.4		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	53.6		ug/L		107	53 - 140
2-Hexanone	200	273		ug/L		136	65 - 137
Isopropylbenzene	50.0	55.0		ug/L		110	70 - 130
Methylene bromide	50.0	48.9		ug/L		98	70 - 130
Methylene Chloride	50.0	46.7		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.0		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	53.9		ug/L		108	70 - 130
Naphthalene	50.0	51.5		ug/L		103	47 - 149
n-Butylbenzene	50.0	60.2		ug/L		120	67 - 130
N-Propylbenzene	50.0	56.9		ug/L		114	70 - 130
o-Chlorotoluene	50.0	55.6		ug/L		111	70 - 130
o-Xylene	50.0	54.0		ug/L		108	70 - 130
p-Chlorotoluene	50.0	56.8		ug/L		114	70 - 130
p-Isopropyltoluene	50.0	57.5		ug/L		115	65 - 130
sec-Butylbenzene	50.0	57.8		ug/L		116	66 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
tert-Butylbenzene	50.0	55.1		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	51.4		ug/L		103	65 - 130
Toluene	50.0	54.3		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	54.5		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	38.0		ug/L		76	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	55.2		ug/L		110	70 - 130
1,2,4-Trimethylbenzene	50.0	58.1		ug/L		116	70 - 130
1,3,5-Trimethylbenzene	50.0	59.2		ug/L		118	69 - 130
Vinyl acetate	100	87.9		ug/L		88	26 - 150
Vinyl chloride	50.0	41.5		ug/L		83	59 - 136
Xylenes, Total	100	108		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/15/25 10:32	1
Acrolein	ND		20	3.3	ug/L			07/15/25 10:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/25 10:32	1
Benzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/25 10:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/25 10:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Bromoform	ND		5.0	0.25	ug/L			07/15/25 10:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/25 10:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/25 10:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/15/25 10:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/15/25 10:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/25 10:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/25 10:32	1
Chloroform	ND		1.0	0.90	ug/L			07/15/25 10:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/15/25 10:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 10:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/15/25 10:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/25 10:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/15/25 10:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/25 10:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/25 10:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/25 10:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/15/25 10:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/15/25 10:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/25 10:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/25 10:32	1
2-Hexanone	ND		25	4.3	ug/L			07/15/25 10:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/25 10:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/15/25 10:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/25 10:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/25 10:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/15/25 10:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/25 10:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/25 10:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/25 10:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/25 10:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/25 10:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/25 10:32	1
Styrene	ND		1.0	1.0	ug/L			07/15/25 10:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/25 10:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/15/25 10:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/15/25 10:32	1
Toluene	ND		1.0	0.90	ug/L			07/15/25 10:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/15/25 10:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/15/25 10:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/25 10:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/15/25 10:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/15/25 10:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/15/25 10:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/15/25 10:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/25 10:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/25 10:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/25 10:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/15/25 10:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/15/25 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/15/25 10:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/15/25 10:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 10:32*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	243		ug/L		122	43 - 150
Acrolein	500	481		ug/L		96	38 - 150
Acrylonitrile	500	546		ug/L		109	64 - 142
Benzene	50.0	56.7		ug/L		113	70 - 130
Bromobenzene	50.0	55.5		ug/L		111	70 - 132
Bromochloromethane	50.0	50.3		ug/L		101	70 - 130
Bromodichloromethane	50.0	52.2		ug/L		104	67 - 133
Bromoform	50.0	52.7		ug/L		105	57 - 140
Bromomethane	50.0	38.9		ug/L		78	10 - 150
2-Butanone (MEK)	200	267		ug/L		133	61 - 145
Carbon disulfide	50.0	50.8		ug/L		102	61 - 137
Carbon tetrachloride	50.0	49.4		ug/L		99	61 - 137
Chlorobenzene	50.0	56.3		ug/L		113	70 - 130
Chloroethane	50.0	42.9		ug/L		86	55 - 141
2-Chloroethyl vinyl ether	50.0	50.1		ug/L		100	10 - 150
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	60.1		ug/L		120	69 - 130
Chloromethane	50.0	42.5		ug/L		85	58 - 137
cis-1,2-Dichloroethene	50.0	51.5		ug/L		103	68 - 130
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	69 - 132
Dibromochloromethane	50.0	53.2		ug/L		106	67 - 135
1,2-Dichlorobenzene	50.0	56.8		ug/L		114	67 - 130
1,3-Dichlorobenzene	50.0	57.1		ug/L		114	70 - 130
1,4-Dichlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dichlorodifluoromethane	50.0	39.2		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	52.1		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	50.1		ug/L		100	63 - 134
1,2-Dichloropropane	50.0	57.6		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	57.4		ug/L		115	70 - 130
2,2-Dichloropropane	50.0	48.3		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	54.2		ug/L		108	70 - 130
Ethylbenzene	50.0	57.9		ug/L		116	70 - 130
Ethyl methacrylate	50.0	58.1		ug/L		116	68 - 130
Hexachlorobutadiene	50.0	57.0		ug/L		114	53 - 140
2-Hexanone	200	287	*+	ug/L		144	65 - 137
Isopropylbenzene	50.0	56.9		ug/L		114	70 - 130
Methylene bromide	50.0	51.0		ug/L		102	70 - 130
Methylene Chloride	50.0	49.4		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	241		ug/L		120	69 - 138
Methyl tert-butyl ether	50.0	50.4		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	56.6		ug/L		113	70 - 130
Naphthalene	50.0	55.6		ug/L		111	47 - 149
n-Butylbenzene	50.0	61.9		ug/L		124	67 - 130
N-Propylbenzene	50.0	60.4		ug/L		121	70 - 130
o-Chlorotoluene	50.0	57.2		ug/L		114	70 - 130
o-Xylene	50.0	56.1		ug/L		112	70 - 130
p-Chlorotoluene	50.0	58.8		ug/L		118	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	61.4		ug/L		123	65 - 130
sec-Butylbenzene	50.0	61.3		ug/L		123	66 - 130
Styrene	50.0	55.8		ug/L		112	70 - 130
tert-Butylbenzene	50.0	57.2		ug/L		114	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.1		ug/L		110	67 - 131
1,1,2,2-Tetrachloroethane	50.0	61.0		ug/L		122	70 - 131
Tetrachloroethene	50.0	53.0		ug/L		106	65 - 130
Toluene	50.0	56.1		ug/L		112	70 - 130
trans-1,2-Dichloroethene	50.0	52.9		ug/L		106	70 - 130
trans-1,3-Dichloropropene	50.0	56.4		ug/L		113	63 - 130
1,2,3-Trichlorobenzene	50.0	54.2		ug/L		108	60 - 138
1,2,4-Trichlorobenzene	50.0	53.1		ug/L		106	60 - 140
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	70 - 130
Trichloroethene	50.0	51.1		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	40.6		ug/L		81	65 - 138
1,2,3-Trichloropropane	50.0	59.1		ug/L		118	70 - 130
1,2,4-Trimethylbenzene	50.0	61.2		ug/L		122	70 - 130
1,3,5-Trimethylbenzene	50.0	61.5		ug/L		123	69 - 130
Vinyl acetate	100	96.0		ug/L		96	26 - 150
Vinyl chloride	50.0	46.4		ug/L		93	59 - 136
Xylenes, Total	100	113		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/16/25 11:28	1
Acrolein	ND		20	3.3	ug/L			07/16/25 11:28	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 11:28	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 11:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 11:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 11:28	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 11:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 11:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 11:28	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 11:28	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 11:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 11:28	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.90	ug/L			07/16/25 11:28	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 11:28	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 11:28	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 11:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 11:28	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 11:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 11:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 11:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 11:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 11:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 11:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 11:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 11:28	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 11:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 11:28	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 11:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 11:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 11:28	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 11:28	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 11:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 11:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 11:28	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 11:28	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/16/25 11:28	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 11:28	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 11:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 11:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 11:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 11:28	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 11:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 11:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 11:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 11:28	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 11:28	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 11:28	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 11:28	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 11:28	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 11:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 11:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 11:28	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 11:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/16/25 11:28*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/16/25 11:28*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/16/25 11:28*	*1*

Lab Sample ID: LCS 400-716138/1002
Matrix: Water
Analysis Batch: 716138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	218		ug/L		109	43 - 150
Acrolein	500	460		ug/L		92	38 - 150
Acrylonitrile	500	497		ug/L		99	64 - 142
Benzene	50.0	49.3		ug/L		99	70 - 130
Bromobenzene	50.0	47.2		ug/L		94	70 - 132
Bromochloromethane	50.0	45.5		ug/L		91	70 - 130
Bromodichloromethane	50.0	46.9		ug/L		94	67 - 133
Bromoform	50.0	44.9		ug/L		90	57 - 140
Bromomethane	50.0	35.1		ug/L		70	10 - 150
2-Butanone (MEK)	200	241		ug/L		120	61 - 145
Carbon disulfide	50.0	45.1		ug/L		90	61 - 137
Carbon tetrachloride	50.0	43.6		ug/L		87	61 - 137
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Chloroethane	50.0	40.6		ug/L		81	55 - 141
2-Chloroethyl vinyl ether	50.0	49.4		ug/L		99	10 - 150
Chloroform	50.0	43.8		ug/L		88	69 - 130
1-Chlorohexane	50.0	51.6		ug/L		103	69 - 130
Chloromethane	50.0	42.5		ug/L		85	58 - 137
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	69 - 132
Dibromochloromethane	50.0	46.4		ug/L		93	67 - 135
1,2-Dichlorobenzene	50.0	47.2		ug/L		94	67 - 130
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 130
Dichlorodifluoromethane	50.0	39.2		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	47.5		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	43.9		ug/L		88	69 - 130
1,1-Dichloroethene	50.0	44.1		ug/L		88	63 - 134
1,2-Dichloropropane	50.0	50.5		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	42.7		ug/L		85	52 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716138/1002
Matrix: Water
Analysis Batch: 716138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	50.0	47.4		ug/L		95	70 - 130
Ethylbenzene	50.0	50.0		ug/L		100	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	49.2		ug/L		98	53 - 140
2-Hexanone	200	248		ug/L		124	65 - 137
Isopropylbenzene	50.0	48.2		ug/L		96	70 - 130
Methylene bromide	50.0	45.2		ug/L		90	70 - 130
Methylene Chloride	50.0	44.5		ug/L		89	66 - 135
4-Methyl-2-pentanone (MIBK)	200	212		ug/L		106	69 - 138
Methyl tert-butyl ether	50.0	46.2		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	70 - 130
Naphthalene	50.0	50.1		ug/L		100	47 - 149
n-Butylbenzene	50.0	52.2		ug/L		104	67 - 130
N-Propylbenzene	50.0	50.9		ug/L		102	70 - 130
o-Chlorotoluene	50.0	49.2		ug/L		98	70 - 130
o-Xylene	50.0	47.5		ug/L		95	70 - 130
p-Chlorotoluene	50.0	50.1		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	50.9		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.2		ug/L		102	66 - 130
Styrene	50.0	47.2		ug/L		94	70 - 130
tert-Butylbenzene	50.0	48.3		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 131
Tetrachloroethene	50.0	52.3		ug/L		105	65 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	47.3		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	50.0	46.6		ug/L		93	60 - 140
1,1,1-Trichloroethane	50.0	43.3		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
Trichloroethene	50.0	46.0		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	38.6		ug/L		77	65 - 138
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	50.9		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	69 - 130
Vinyl acetate	100	89.4		ug/L		89	26 - 150
Vinyl chloride	50.0	45.4		ug/L		91	59 - 136
Xylenes, Total	100	95.5		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-279062-8 MS
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		400	226		ug/L		57	43 - 150
Acrolein	ND		1000	1040		ug/L		104	38 - 150
Acrylonitrile	ND	F2	1000	1200		ug/L		120	62 - 149
Benzene	ND	F2	100	112		ug/L		112	56 - 142
Bromobenzene	ND		100	94.8		ug/L		95	59 - 136
Bromochloromethane	ND		100	102		ug/L		102	64 - 140
Bromodichloromethane	ND	F2	100	106		ug/L		106	59 - 143
Bromoform	ND		100	104		ug/L		104	50 - 140
Bromomethane	ND		100	65.9		ug/L		66	10 - 150
2-Butanone (MEK)	ND	F2	400	316		ug/L		79	55 - 150
Carbon disulfide	ND		100	102		ug/L		102	48 - 150
Carbon tetrachloride	ND	F2	100	94.6		ug/L		95	55 - 145
Chlorobenzene	ND	F2	100	100		ug/L		100	64 - 130
Chloroethane	ND		100	82.2		ug/L		82	50 - 150
2-Chloroethyl vinyl ether	ND	F1	100	ND	F1	ug/L		0	10 - 150
Chloroform	3.1		100	102		ug/L		99	60 - 141
1-Chlorohexane	ND	F2	100	92.4		ug/L		92	56 - 136
Chloromethane	ND		100	80.1		ug/L		80	49 - 148
cis-1,2-Dichloroethene	ND	F2	100	104		ug/L		104	59 - 143
cis-1,3-Dichloropropene	ND	F2	100	112		ug/L		112	57 - 140
Dibromochloromethane	ND	F2	100	107		ug/L		107	56 - 143
1,2-Dichlorobenzene	ND		100	88.5		ug/L		88	52 - 137
1,3-Dichlorobenzene	ND		100	86.3		ug/L		86	54 - 135
1,4-Dichlorobenzene	ND		100	89.6		ug/L		90	53 - 135
Dichlorodifluoromethane	ND		100	74.4		ug/L		74	16 - 150
1,1-Dichloroethane	ND		100	111		ug/L		111	61 - 144
1,2-Dichloroethane	ND	F2	100	99.2		ug/L		99	60 - 141
1,1-Dichloroethene	ND	F2	100	95.5		ug/L		95	54 - 147
1,2-Dichloropropane	ND	F2	100	120		ug/L		120	66 - 137
1,3-Dichloropropane	ND	F2	100	117		ug/L		117	66 - 133
2,2-Dichloropropane	ND	F2	100	96.5		ug/L		97	42 - 144
1,1-Dichloropropene	ND	F2	100	105		ug/L		105	65 - 136
Ethylbenzene	8.2	F2	100	103		ug/L		95	58 - 131
Ethyl methacrylate	ND	F2	100	127		ug/L		127	64 - 130
Hexachlorobutadiene	ND		100	60.5		ug/L		60	31 - 149
2-Hexanone	ND	F2 F1	400	385		ug/L		96	65 - 140
Isopropylbenzene	31		100	115		ug/L		83	56 - 133
Methylene bromide	ND	F2	100	105		ug/L		105	63 - 138
Methylene Chloride	ND		100	122		ug/L		122	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F2	400	476		ug/L		119	63 - 146
Methyl tert-butyl ether	ND		100	109		ug/L		109	59 - 137
m-Xylene & p-Xylene	110	F1	100	183		ug/L		75	57 - 130
Naphthalene	9.4	J	100	121		ug/L		111	25 - 150
n-Butylbenzene	2.1		100	73.1		ug/L		71	41 - 142
N-Propylbenzene	36		100	113		ug/L		77	51 - 138
o-Chlorotoluene	ND		100	85.4		ug/L		85	53 - 134
o-Xylene	6.0	J F2	100	99.8		ug/L		94	61 - 130
p-Chlorotoluene	ND		100	87.0		ug/L		87	54 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-279062-8 MS
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	1.9	J	100	76.7		ug/L		75	48 - 139
sec-Butylbenzene	3.6		100	80.6		ug/L		77	50 - 138
Styrene	ND	F2	100	94.3		ug/L		94	58 - 131
tert-Butylbenzene	ND		100	85.1		ug/L		85	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	100	105		ug/L		105	59 - 137
1,1,2,2-Tetrachloroethane	ND		100	122		ug/L		122	66 - 135
Tetrachloroethene	ND	F2	100	89.5		ug/L		89	52 - 133
Toluene	ND	F2	100	104		ug/L		104	65 - 130
trans-1,2-Dichloroethene	ND	F2	100	105		ug/L		105	61 - 143
trans-1,3-Dichloropropene	ND	F2	100	113		ug/L		113	53 - 133
1,2,3-Trichlorobenzene	ND		100	93.4		ug/L		93	43 - 145
1,2,4-Trichlorobenzene	ND		100	87.8		ug/L		88	39 - 148
1,1,1-Trichloroethane	ND	F2	100	97.8		ug/L		98	57 - 142
1,1,2-Trichloroethane	ND	F2	100	119		ug/L		119	66 - 131
Trichloroethene	ND	F2	100	101		ug/L		101	64 - 136
Trichlorofluoromethane	ND		100	70.6		ug/L		71	54 - 150
1,2,3-Trichloropropane	ND		100	120		ug/L		120	65 - 133
1,2,4-Trimethylbenzene	49		100	130		ug/L		81	50 - 139
1,3,5-Trimethylbenzene	16		100	108		ug/L		91	52 - 135
Vinyl acetate	ND		200	194		ug/L		97	26 - 150
Vinyl chloride	ND		100	87.8		ug/L		88	46 - 150
Xylenes, Total	110	F1	200	283		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		400	173		ug/L		43	43 - 150	27	30
Acrolein	ND		1000	912		ug/L		91	38 - 150	13	31
Acrylonitrile	ND	F2	1000	876	F2	ug/L		88	62 - 149	31	30
Benzene	ND	F2	100	81.6	F2	ug/L		82	56 - 142	32	30
Bromobenzene	ND		100	71.2		ug/L		71	59 - 136	28	30
Bromochloromethane	ND		100	75.4		ug/L		75	64 - 140	30	30
Bromodichloromethane	ND	F2	100	77.3	F2	ug/L		77	59 - 143	31	30
Bromoform	ND		100	77.5		ug/L		77	50 - 140	30	30
Bromomethane	ND		100	58.2		ug/L		58	10 - 150	12	50
2-Butanone (MEK)	ND	F2	400	222	F2	ug/L		56	55 - 150	35	30
Carbon disulfide	ND		100	76.9		ug/L		77	48 - 150	28	30
Carbon tetrachloride	ND	F2	100	67.9	F2	ug/L		68	55 - 145	33	30
Chlorobenzene	ND	F2	100	71.0	F2	ug/L		71	64 - 130	34	30
Chloroethane	ND		100	77.2		ug/L		77	50 - 150	6	30
2-Chloroethyl vinyl ether	ND	F1	100	ND	F1	ug/L		0	10 - 150	NC	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	3.1		100	75.6		ug/L		73	60 - 141	30	30
1-Chlorohexane	ND	F2	100	62.3	F2	ug/L		62	56 - 136	39	30
Chloromethane	ND		100	73.6		ug/L		74	49 - 148	8	31
cis-1,2-Dichloroethene	ND	F2	100	76.5	F2	ug/L		76	59 - 143	31	30
cis-1,3-Dichloropropene	ND	F2	100	79.9	F2	ug/L		80	57 - 140	33	30
Dibromochloromethane	ND	F2	100	76.0	F2	ug/L		76	56 - 143	34	30
1,2-Dichlorobenzene	ND		100	68.5		ug/L		69	52 - 137	25	30
1,3-Dichlorobenzene	ND		100	64.9		ug/L		65	54 - 135	28	30
1,4-Dichlorobenzene	ND		100	68.2		ug/L		68	53 - 135	27	30
Dichlorodifluoromethane	ND		100	67.7		ug/L		68	16 - 150	9	31
1,1-Dichloroethane	ND		100	82.8		ug/L		83	61 - 144	29	30
1,2-Dichloroethane	ND	F2	100	72.9	F2	ug/L		73	60 - 141	31	30
1,1-Dichloroethene	ND	F2	100	70.1	F2	ug/L		70	54 - 147	31	30
1,2-Dichloropropane	ND	F2	100	86.8	F2	ug/L		87	66 - 137	32	30
1,3-Dichloropropane	ND	F2	100	83.6	F2	ug/L		84	66 - 133	33	30
2,2-Dichloropropane	ND	F2	100	70.0	F2	ug/L		70	42 - 144	32	31
1,1-Dichloropropene	ND	F2	100	76.6	F2	ug/L		77	65 - 136	32	30
Ethylbenzene	8.2	F2	100	74.7	F2	ug/L		66	58 - 131	32	30
Ethyl methacrylate	ND	F2	100	91.7	F2	ug/L		92	64 - 130	33	30
Hexachlorobutadiene	ND		100	47.8		ug/L		48	31 - 149	23	36
2-Hexanone	ND	F2 F1	400	256	F1 F2	ug/L		64	65 - 140	40	30
Isopropylbenzene	31		100	87.8		ug/L		57	56 - 133	27	30
Methylene bromide	ND	F2	100	76.2	F2	ug/L		76	63 - 138	32	30
Methylene Chloride	ND		100	93.1		ug/L		93	60 - 146	27	32
4-Methyl-2-pentanone (MIBK)	ND	F2	400	334	F2	ug/L		84	63 - 146	35	30
Methyl tert-butyl ether	ND		100	79.9		ug/L		80	59 - 137	30	30
m-Xylene & p-Xylene	110	F1	100	158	F1	ug/L		50	57 - 130	15	30
Naphthalene	9.4	J	100	99.2		ug/L		90	25 - 150	19	30
n-Butylbenzene	2.1		100	55.2		ug/L		53	41 - 142	28	31
N-Propylbenzene	36		100	94.9		ug/L		59	51 - 138	17	30
o-Chlorotoluene	ND		100	63.5		ug/L		63	53 - 134	29	30
o-Xylene	6.0	J F2	100	72.3	F2	ug/L		66	61 - 130	32	30
p-Chlorotoluene	ND		100	66.6		ug/L		67	54 - 133	27	30
p-Isopropyltoluene	1.9	J	100	59.0		ug/L		57	48 - 139	26	30
sec-Butylbenzene	3.6		100	60.3		ug/L		57	50 - 138	29	30
Styrene	ND	F2	100	66.6	F2	ug/L		67	58 - 131	34	30
tert-Butylbenzene	ND		100	65.9		ug/L		66	54 - 146	25	30
1,1,1,2-Tetrachloroethane	ND	F2	100	73.3	F2	ug/L		73	59 - 137	35	30
1,1,2,2-Tetrachloroethane	ND		100	91.5		ug/L		92	66 - 135	29	30
Tetrachloroethene	ND	F2	100	62.9	F2	ug/L		63	52 - 133	35	30
Toluene	ND	F2	100	74.1	F2	ug/L		74	65 - 130	34	30
trans-1,2-Dichloroethene	ND	F2	100	76.9	F2	ug/L		77	61 - 143	31	30
trans-1,3-Dichloropropene	ND	F2	100	79.4	F2	ug/L		79	53 - 133	35	30
1,2,3-Trichlorobenzene	ND		100	75.6		ug/L		76	43 - 145	21	30
1,2,4-Trichlorobenzene	ND		100	73.4		ug/L		73	39 - 148	18	30
1,1,1-Trichloroethane	ND	F2	100	70.1	F2	ug/L		70	57 - 142	33	30
1,1,2-Trichloroethane	ND	F2	100	86.4	F2	ug/L		86	66 - 131	32	30
Trichloroethene	ND	F2	100	71.5	F2	ug/L		72	64 - 136	34	30
Trichlorofluoromethane	ND		100	60.1		ug/L		60	54 - 150	16	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		100	91.7		ug/L		92	65 - 133	26	30
1,2,4-Trimethylbenzene	49		100	115		ug/L		66	50 - 139	12	30
1,3,5-Trimethylbenzene	16		100	88.7		ug/L		72	52 - 135	19	30
Vinyl acetate	ND		200	168		ug/L		84	26 - 150	14	33
Vinyl chloride	ND		100	78.3		ug/L		78	46 - 150	11	30
Xylenes, Total	110	F1	200	231	F1	ug/L		58	59 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 09:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 09:07*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 09:07*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 09:07*	*1*

Lab Sample ID: LCS 400-716127/1004
Matrix: Water
Analysis Batch: 716127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.463		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.541		ug/L		108	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*94*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/12/25 07:00	07/15/25 18:21	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		07/12/25 07:00	07/15/25 18:21	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzenethiol	ND		10	0.60	ug/L		07/12/25 07:00	07/15/25 18:21	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzoic acid	ND		100	80	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/12/25 07:00	07/15/25 18:21	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/12/25 07:00	07/15/25 18:21	1
Chrysene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/15/25 18:21	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chloroaniline	ND		10	0.28	ug/L		07/12/25 07:00	07/15/25 18:21	1
Fluoranthene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/12/25 07:00	07/15/25 18:21	1
Fluorene	ND		0.20	0.087	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Chlorophenol	ND		10	0.84	ug/L		07/12/25 07:00	07/15/25 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/15/25 18:21	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenzofuran	ND		10	0.64	ug/L		07/12/25 07:00	07/15/25 18:21	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/15/25 18:21	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pyrene	ND		0.20	0.095	ug/L		07/12/25 07:00	07/15/25 18:21	1
Diethyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/12/25 07:00	07/15/25 18:21	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
1,4-Dioxane	ND		10	4.3	ug/L		07/12/25 07:00	07/15/25 18:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/12/25 07:00	07/15/25 18:21	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/12/25 07:00	07/15/25 18:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/15/25 18:21	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		07/12/25 07:00	07/15/25 18:21	1
Indene	ND		10	0.44	ug/L		07/12/25 07:00	07/15/25 18:21	1
Isophorone	ND		10	0.80	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Methylphenol	ND		10	0.76	ug/L		07/12/25 07:00	07/15/25 18:21	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Nitroaniline	ND		10	1.4	ug/L		07/12/25 07:00	07/15/25 18:21	1
3-Nitroaniline	ND		10	0.95	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Nitroaniline	ND		10	3.5	ug/L		07/12/25 07:00	07/15/25 18:21	1
Nitrobenzene	ND		10	0.60	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Nitrophenol	ND		10	1.2	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Nitrophenol	ND		10	2.7	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pentachlorophenol	ND		10	2.8	ug/L		07/12/25 07:00	07/15/25 18:21	1
Phenol	ND		10	0.68	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pyridine	ND		10	3.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Quinoline	ND		10	0.50	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/12/25 07:00	07/15/25 18:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Terphenyl-d14	*81*		*43 - 147*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2-Fluorobiphenyl	*86*		*25 - 139*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2-Fluorophenol	*108*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Phenol-d5	*117*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Terphenyl-d14	*81*		*28 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	28.3		ug/L		85	29 - 110
Aniline	33.3	40.5		ug/L		121	10 - 134
Acenaphthylene	33.3	29.7		ug/L		89	30 - 112
Anthracene	33.3	36.7		ug/L		110	31 - 120
Benzoic acid	214	129		ug/L		60	10 - 180
Benzo[a]anthracene	33.3	36.8		ug/L		110	36 - 118
Benzyl alcohol	33.3	34.6	J	ug/L		104	10 - 150
Benzo[a]pyrene	33.3	34.2		ug/L		103	29 - 120
Bis(2-chloroethoxy)methane	33.3	36.3		ug/L		109	34 - 120
Benzo[b]fluoranthene	33.3	36.3		ug/L		109	32 - 119
Bis(2-chloroethyl)ether	33.3	29.4		ug/L		88	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	30.9		ug/L		93	28 - 115
bis (2-chloroisopropyl) ether	33.3	27.9		ug/L		84	32 - 115
Benzo[k]fluoranthene	33.3	36.2		ug/L		109	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	28.7		ug/L		86	24 - 133
4-Bromophenyl phenyl ether	33.3	31.7		ug/L		95	24 - 120
Chrysene	33.3	36.0		ug/L		108	34 - 113
Butyl benzyl phthalate	33.3	28.0		ug/L		84	24 - 140
Dibenz(a,h)anthracene	33.3	31.2		ug/L		94	29 - 117
4-Chloroaniline	33.3	34.1		ug/L		102	10 - 150
Fluoranthene	33.3	43.2	*+	ug/L		130	30 - 124
4-Chloro-3-methylphenol	33.3	38.3		ug/L		115	10 - 137
Fluorene	33.3	31.5		ug/L		94	30 - 118
2-Chloronaphthalene	33.3	28.3		ug/L		85	10 - 150
2-Chlorophenol	33.3	32.6		ug/L		98	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	30.9		ug/L		93	28 - 115
1-Methylnaphthalene	33.3	28.0		ug/L		84	25 - 120
4-Chlorophenyl phenyl ether	33.3	28.5		ug/L		85	31 - 110
2-Methylnaphthalene	33.3	28.2		ug/L		85	24 - 110
Dibenz[a,h]acridine	49.9	57.6		ug/L		115	40 - 140
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	26.4		ug/L		79	10 - 150
Phenanthrene	33.3	35.4		ug/L		106	32 - 115
2,4-Dichlorophenol	33.3	31.4		ug/L		94	30 - 125
Pyrene	33.3	44.7	*+	ug/L		134	30 - 126
Diethyl phthalate	33.3	24.1		ug/L		72	31 - 118
2,4-Dimethylphenol	33.3	34.0		ug/L		102	10 - 142
Dimethyl phthalate	33.3	27.3		ug/L		82	24 - 125
Di-n-butyl phthalate	33.3	26.8		ug/L		80	30 - 127
4,6-Dinitro-ortho-cresol	66.7	58.3		ug/L		87	10 - 150
2,4-Dinitrophenol	66.7	47.0		ug/L		71	10 - 150
2,4-Dinitrotoluene	33.3	30.9		ug/L		93	30 - 129
2,6-Dinitrotoluene	33.3	32.1		ug/L		96	34 - 132
Di-n-octyl phthalate	33.3	28.2		ug/L		85	28 - 142
1,4-Dioxane	33.3	33.4		ug/L		100	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.6		ug/L		89	29 - 121
Hexachlorobenzene	33.3	31.0		ug/L		93	29 - 113
Hexachlorocyclopentadiene	33.3	25.0		ug/L		75	10 - 150
Hexachloroethane	33.3	25.9		ug/L		78	10 - 112
Indene	50.0	40.5		ug/L		81	10 - 113
Isophorone	33.3	27.8		ug/L		83	29 - 125
2-Methylphenol	33.3	39.4		ug/L		118	11 - 121
3 & 4 Methylphenol	33.3	42.3		ug/L		127	10 - 150
2-Nitroaniline	33.3	35.6		ug/L		107	31 - 141
3-Nitroaniline	33.3	31.4		ug/L		94	33 - 136
4-Nitroaniline	33.3	33.0		ug/L		99	37 - 139
Nitrobenzene	33.3	28.2		ug/L		84	29 - 129
2-Nitrophenol	33.3	33.2		ug/L		99	31 - 142
4-Nitrophenol	66.7	76.3		ug/L		114	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	34.9		ug/L		105	10 - 136
N-Nitrosodi-n-propylamine	33.3	31.3		ug/L		94	53 - 134
N-Nitrosodiphenylamine	33.1	32.3		ug/L		98	62 - 132
Pentachlorophenol	66.7	71.7		ug/L		107	14 - 150
Phenol	33.3	48.4		ug/L		145	10 - 150
Pyridine	66.7	128	*+	ug/L		192	10 - 150
Quinoline	49.9	56.4		ug/L		113	50 - 150
2,4,5-Trichlorophenol	33.3	32.1		ug/L		96	27 - 136
2,4,6-Trichlorophenol	33.3	31.2		ug/L		94	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*83*		*43 - 147*
2-Fluorobiphenyl	*83*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*131*		*10 - 150*
Terphenyl-d14	*83*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-715837/4-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	46.9		ug/L		94	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*25 - 139*
2-Fluorophenol	*105*		*10 - 150*
Nitrobenzene-d5	*85*		*22 - 150*
Phenol-d5	*120*		*10 - 150*
Terphenyl-d14	*78*		*28 - 150*
2,4,6-Tribromophenol	*76*		*10 - 150*

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	28.6		ug/L		86	29 - 110	1	40
Aniline	33.3	40.1		ug/L		120	10 - 134	1	40
Acenaphthylene	33.3	30.0		ug/L		90	30 - 112	1	40
Anthracene	33.3	38.3		ug/L		115	31 - 120	4	40
Benzoic acid	214	124		ug/L		58	10 - 180	4	40
Benzo[a]anthracene	33.3	39.0		ug/L		117	36 - 118	6	40
Benzyl alcohol	33.3	42.3		ug/L		127	10 - 150	20	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	33.3	35.9		ug/L		108	29 - 120	5	40
Bis(2-chloroethoxy)methane	33.3	38.1		ug/L		114	34 - 120	5	40
Benzo[b]fluoranthene	33.3	38.1		ug/L		114	32 - 119	5	40
Bis(2-chloroethyl)ether	33.3	31.4		ug/L		94	32 - 114	7	40
Benzo[g,h,i]perylene	33.3	32.3		ug/L		97	28 - 115	4	40
bis (2-chloroisopropyl) ether	33.3	29.7		ug/L		89	32 - 115	7	40
Benzo[k]fluoranthene	33.3	37.8		ug/L		113	30 - 118	4	40
Bis(2-ethylhexyl) phthalate	33.3	29.8		ug/L		90	24 - 133	4	40
4-Bromophenyl phenyl ether	33.3	32.7		ug/L		98	24 - 120	3	40
Chrysene	33.3	38.2	*+	ug/L		115	34 - 113	6	40
Butyl benzyl phthalate	33.3	31.8		ug/L		96	24 - 140	13	40
Dibenz(a,h)anthracene	33.3	32.6		ug/L		98	29 - 117	4	40
4-Chloroaniline	33.3	34.8		ug/L		104	10 - 150	2	40
Fluoranthene	33.3	45.2	*+	ug/L		136	30 - 124	5	40
4-Chloro-3-methylphenol	33.3	39.1		ug/L		117	10 - 137	2	40
Fluorene	33.3	32.1		ug/L		96	30 - 118	2	40
2-Chloronaphthalene	33.3	28.7		ug/L		86	10 - 150	1	40
2-Chlorophenol	33.3	35.8		ug/L		107	28 - 127	9	40
Indeno[1,2,3-cd]pyrene	33.3	31.9		ug/L		96	28 - 115	3	40
1-Methylnaphthalene	33.3	28.7		ug/L		86	25 - 120	3	40
4-Chlorophenyl phenyl ether	33.3	28.7		ug/L		86	31 - 110	1	40
2-Methylnaphthalene	33.3	28.5		ug/L		86	24 - 110	1	40
Dibenz[a,h]acridine	49.9	60.2		ug/L		121	40 - 140	4	40
Dibenzofuran	33.3	35.9		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine	33.3	26.4		ug/L		79	10 - 150	0	40
Phenanthrene	33.3	37.0		ug/L		111	32 - 115	4	40
2,4-Dichlorophenol	33.3	34.0		ug/L		102	30 - 125	8	40
Pyrene	33.3	47.4	*+	ug/L		142	30 - 126	6	40
Diethyl phthalate	33.3	25.1		ug/L		75	31 - 118	4	40
2,4-Dimethylphenol	33.3	35.7		ug/L		107	10 - 142	5	40
Dimethyl phthalate	33.3	28.8		ug/L		86	24 - 125	5	40
Di-n-butyl phthalate	33.3	28.9		ug/L		87	30 - 127	8	40
4,6-Dinitro-ortho-cresol	66.7	63.7		ug/L		96	10 - 150	9	40
2,4-Dinitrophenol	66.7	50.6		ug/L		76	10 - 150	7	40
2,4-Dinitrotoluene	33.3	31.9		ug/L		96	30 - 129	3	40
2,6-Dinitrotoluene	33.3	33.2		ug/L		100	34 - 132	3	40
Di-n-octyl phthalate	33.3	29.3		ug/L		88	28 - 142	4	40
1,4-Dioxane	33.3	35.6		ug/L		107	10 - 137	6	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.9		ug/L		90	29 - 121	1	40
Hexachlorobenzene	33.3	32.4		ug/L		97	29 - 113	4	40
Hexachlorocyclopentadiene	33.3	24.2		ug/L		73	10 - 150	3	40
Hexachloroethane	33.3	25.9		ug/L		78	10 - 112	0	40
Indene	50.0	41.6		ug/L		83	10 - 113	3	40
Isophorone	33.3	29.4		ug/L		88	29 - 125	6	40
2-Methylphenol	33.3	40.5	*+	ug/L		122	11 - 121	3	40
3 & 4 Methylphenol	33.3	44.3		ug/L		133	10 - 150	5	40
2-Nitroaniline	33.3	36.6		ug/L		110	31 - 141	3	40
3-Nitroaniline	33.3	32.2		ug/L		97	33 - 136	3	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			33.3	33.5		ug/L		101	37 - 139	1	40
Nitrobenzene			33.3	29.7		ug/L		89	29 - 129	5	40
2-Nitrophenol			33.3	36.0		ug/L		108	31 - 142	8	40
4-Nitrophenol			66.7	77.1		ug/L		116	10 - 150	1	40
N-Nitrosodimethylamine			33.3	37.9		ug/L		114	10 - 136	8	40
N-Nitrosodi-n-propylamine			33.3	33.7		ug/L		101	53 - 134	7	40
N-Nitrosodiphenylamine			33.1	32.6		ug/L		99	62 - 132	1	40
Pentachlorophenol			66.7	76.2		ug/L		114	14 - 150	6	40
Phenol			33.3	52.1	*+	ug/L		156	10 - 150	7	40
Pyridine			66.7	132	*+	ug/L		198	10 - 150	3	40
Quinoline			49.9	54.5		ug/L		109	50 - 150	3	40
2,4,5-Trichlorophenol			33.3	33.9		ug/L		102	27 - 136	6	40
2,4,6-Trichlorophenol			33.3	32.0		ug/L		96	21 - 132	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*84*		*43 - 147*
2-Fluorobiphenyl	*82*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*109*		*10 - 150*

Lab Sample ID: LCSD 400-715837/5-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	48.9		ug/L		98	10 - 150	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*25 - 139*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*85*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG | ☐ PIPELINE | ☐ RETAIL
☐ CHEMICALS | ☐ CONSULTANT | ☐ LUBES
☐ TRANSPORTATION | ☑ OTHER __ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/10/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): J. Mayer, M.Massa

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°
3.7 | 2.0

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071025-8260-A	7/10/2025	0000	Water	2					2	X			
	TB-ROX-071025-8260SIM-A	7/10/2025	0000	Water	2					2		X		
	MW14-ROX-071025	7/10/2025	0945	Water	6			4		10	X	X	X	X
	MW14-ROX-071025-DUP	7/10/2025	0945	Water	6			4		10	X	X	X	X

400-279062 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
M. MASSA	FEDEX: 5564 3938 0297	7/10/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/11/25	Time: 0942

Version: 19Sept24

CUSTODY SEALS: 622027, 622026

7/24/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/10/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071025-8260-B	7/10/2025	0000	Water	2					2	X			
	TB-ROX-071025-8260SIM-B	7/10/2025	0000	Water	2					2		X		
	P56-ROX-071025-EB	7/10/2025	09:45	Water	6			4		10	X	X	X	X
	P56-ROX-071025	7/10/2025	10:25	Water	6			4		10	X	X	X	X
	P57-ROX-071025	7/10/2025	11:35	Water	6			4		10	X	X	X	X
	P93D-ROX-071025	7/10/2025	13:00	Water	6			4		10	X	X	X	X
	P93C-ROX-071025	7/10/2025	14:05	Water	6			4		10	X	X	X	X
	P93C-ROX-071025-DUP	7/10/2025	14:05	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/10/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/11/25	Time: 942

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

7/24/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279062-1

Login Number: 279062
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279098-1 – Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/29/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.		X		
Phenol in samples P59-ROX-071125, T12-ROX-071125, P74-ROX-071125 and P93A-ROX-071125 were re-extracted 5 days outside of the extraction time criteria (7 days) and then re-analyzed due to LCS/LCSD recoveries outside control limits in the initial analysis; both sets of data were reported. Results were comparable, therefore, based on professional judgement phenol results in samples P59-ROX-071125, T12-ROX-071125, P74-ROX-071125 and P93A-ROX-071125 were reported from the initial run due to hold time exceedances in the secondary run.					
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Bis(2-chloroethoxy)methane	**127/127**	0	34-120/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111**/110	1	31-110/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Hexachlorobenzene	**119/117**	2	29-113/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	2-Methylphenol	**133/124**	7	11-121/40

Stage 2A Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		

LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	3 & 4 Methylphenol	**156**/144	8	10-150/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	4-Nitrophenol	**168/160**	5	10-150/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Phenol	**158**/145	8	10-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
P59-ROX-071125	SVOCs	2-Methylphenol	J
T12-ROX-071125	SVOCs	2-Methylphenol	J
P59-ROX-071125	SVOCs	Phenol	J
T12-ROX-071125	SVOCs	Phenol	J
P74-ROX-071125	SVOCs	Phenol	J
P93A-ROX-071125	SVOCs	Phenol	J

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-716168/1-A	SVOCs	1,4-Dioxane	6.39 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on August 6, 2025, to remove reported false positives.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The continuing calibration verifications (CCV) for benzyl alcohol was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. Phenol in samples P74-ROX-071125 and P93A-ROX-071125 had already been qualified for LCS/LCSD recoveries outside criteria, no further qualification required.

Sample ID	Parameter	Analyte	Qualification
P59-ROX-071125	SVOCs	Benzyl alcohol	UJ
T12-ROX-071125	SVOCs	Benzyl alcohol	UJ

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
P74-ROX-071125	SVOCs	Benzyl alcohol			UJ	
P93A-ROX-071125	SVOCs	Benzyl alcohol			UJ	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X		
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X				
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 8/6/2025 5:21:56 PM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279098-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job Narrative
400-279098-1

REVISION
The report being provided is a revision of the original report sent on 7/31/2025. The report (revision 1) is being revised to remove false positives.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/12/2025 9:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716165 recovered above the upper control limit for 1-Chlorohexane and Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-716165/2).

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P59-ROX-071125 (400-279098-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-071125-8260 (400-279098-1), P59-ROX-071125 (400-279098-3), T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P74-ROX-071125 (400-279098-5). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM: The following sample was diluted due to the abundance of non-target analytes: P93A-ROX-071125 (400-279098-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The following samples were re-prepared outside of preparation holding time due to QC failure: P59-ROX-071125 (400-279098-3), T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6).

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). Elevated reporting limits (RLs) are provided.

Job ID: 400-279098-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-716435 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-717019 and analytical batch 400-717094 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data are reported.

Method 8270E_QQQ: The method blank for preparation batch 400-716168 and analytical batch 400-716658 contained 1,4-Dioxane above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-716168 and analytical batch 400-716658 recovered outside control limits for the qualified analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-716168 and analytical batch 400-716805 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

Method 8270E_QQQ: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-716168 and analytical batch 400-716966 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-279098-1	TB-ROX-071125-8260	Water	07/11/25 00:00	07/12/25 09:27	Illinois
400-279098-2	TB-ROX-071125-8260SIM	Water	07/11/25 00:00	07/12/25 09:27	Illinois
400-279098-3	P59-ROX-071125	Water	07/11/25 09:45	07/12/25 09:27	Illinois
400-279098-4	T12-ROX-071125	Water	07/11/25 10:50	07/12/25 09:27	Illinois
400-279098-5	P74-ROX-071125	Water	07/11/25 12:05	07/12/25 09:27	Illinois
400-279098-6	P93A-ROX-071125	Water	07/11/25 13:05	07/12/25 09:27	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260 — Lab Sample ID: 400-279098-1

No Detections.

Client Sample ID: TB-ROX-071125-8260SIM — Lab Sample ID: 400-279098-2

No Detections.

Client Sample ID: P59-ROX-071125 — Lab Sample ID: 400-279098-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	420		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	210		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	17		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	230		50	30	ug/L	10		8260D	Total/NA
Naphthalene	39	J	50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	28		10	6.9	ug/L	10		8260D	Total/NA
Toluene	64		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	71		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	18		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	240		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.47		0.20	0.084	ug/L	1		8270E	Total/NA
Benzenethiol	0.87	J	9.9	0.59	ug/L	1		8270E	Total/NA
Fluorene	0.24		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	16		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	25		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.25		0.20	0.043	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	3.7	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.3	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	2.0	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	10	*+J	9.9	0.67	ug/L	1		8270E	Total/NA
Phenol - RERA	7.5	J H	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: T12-ROX-071125 — Lab Sample ID: 400-279098-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	41		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	22		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	340		50	30	ug/L	10		8260D	Total/NA
Naphthalene	36	J	50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	37		10	6.9	ug/L	10		8260D	Total/NA
o-Xylene	31	J	50	30	ug/L	10		8260D	Total/NA
Toluene	65		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	10		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	22		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	370		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.45		0.20	0.084	ug/L	1		8270E	Total/NA
Benzenethiol	0.66	J	9.9	0.60	ug/L	1		8270E	Total/NA
Anthracene	0.079	J	0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene	0.32		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	25		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	41		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.57		0.20	0.044	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	4.8	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.0	J	9.9	0.44	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: T12-ROX-071125 (Continued) — Lab Sample ID: 400-279098-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylphenol	2.7	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	44	*+ J	9.9	0.68	ug/L	1		8270E	Total/NA
Phenol - RERA	29	H	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P74-ROX-071125 — Lab Sample ID: 400-279098-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	74		10	5.0	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	120		50	30	ug/L	10		8260D	Total/NA
Toluene	52		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	21		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	7.4	J	10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	130		100	60	ug/L	10		8260D	Total/NA
Benzene - DL	4900		20	10	ug/L	20		8260D	Total/NA
Benzenethiol	0.75	J	9.9	0.59	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.6		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	2.0		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	8.4	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	0.80	J	9.9	0.43	ug/L	1		8270E	Total/NA
Phenol - DL	70	J *+ J	99	6.7	ug/L	10		8270E	Total/NA
Phenol - RERA	63	H	9.9	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P93A-ROX-071125 — Lab Sample ID: 400-279098-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	56000		200	100	ug/L	200		8260D	Total/NA
Acenaphthene	0.12	J	0.20	0.085	ug/L	1		8270E	Total/NA
Benzenethiol	0.85	J	10	0.60	ug/L	1		8270E	Total/NA
Fluorene	0.15	J	0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	3.6		0.20	0.066	ug/L	1		8270E	Total/NA
Phenol - DL	320	*+ J	100	6.8	ug/L	10		8270E	Total/NA
Phenol - DL	360	H	100	6.8	ug/L	10		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260
Date Collected: 07/11/25 00:00
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/16/25 13:44	1
Acrolein	ND		20	3.3	ug/L			07/16/25 13:44	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 13:44	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 13:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 13:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 13:44	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 13:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 13:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 13:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 13:44	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 13:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 13:44	1
Chloroform	ND		1.0	0.90	ug/L			07/16/25 13:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 13:44	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 13:44	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 13:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 13:44	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 13:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 13:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 13:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 13:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 13:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 13:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 13:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 13:44	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 13:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 13:44	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 13:44	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 13:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 13:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 13:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 13:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 13:44	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 13:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/16/25 13:44	1

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071125-8260
Lab Sample ID: 400-279098-1
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 13:44	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 13:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 13:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 13:44	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 13:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 13:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 13:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 13:44	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 13:44	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 13:44	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 13:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 13:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 13:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 13:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 13:44	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 13:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/16/25 13:44*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 13:44*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 13:44*	*1*

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071125-8260SIM
Lab Sample ID: 400-279098-2
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 14:26	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/16/25 14:26*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 14:26*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/16/25 14:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P59-ROX-071125

Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:47	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 16:47*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 16:47*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 16:47*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 14:47	10
Acrolein	ND		200	33	ug/L			07/16/25 14:47	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 14:47	10
Benzene	**420**		10	5.0	ug/L			07/16/25 14:47	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 14:47	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 14:47	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 14:47	10
Bromoform	ND		50	2.5	ug/L			07/16/25 14:47	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 14:47	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 14:47	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 14:47	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 14:47	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 14:47	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 14:47	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 14:47	10
Chloroform	ND		10	9.0	ug/L			07/16/25 14:47	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 14:47	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 14:47	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 14:47	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 14:47	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 14:47	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 14:47	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 14:47	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 14:47	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 14:47	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 14:47	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 14:47	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 14:47	10
Ethylbenzene	**210**		10	5.0	ug/L			07/16/25 14:47	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 14:47	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 14:47	10
2-Hexanone	ND		250	43	ug/L			07/16/25 14:47	10
Isopropylbenzene	**17**		10	5.3	ug/L			07/16/25 14:47	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 14:47	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 14:47	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 14:47	10

Client Sample ID: P59-ROX-071125

Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 14:47	10
m-Xylene & p-Xylene	**230**		50	30	ug/L			07/16/25 14:47	10
Naphthalene	**39**	**J**	50	30	ug/L			07/16/25 14:47	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 14:47	10
N-Propylbenzene	**28**		10	6.9	ug/L			07/16/25 14:47	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 14:47	10
o-Xylene	ND		50	30	ug/L			07/16/25 14:47	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 14:47	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 14:47	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 14:47	10
Styrene	ND		10	10	ug/L			07/16/25 14:47	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 14:47	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 14:47	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 14:47	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 14:47	10
Toluene	**64**		10	9.0	ug/L			07/16/25 14:47	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 14:47	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 14:47	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 14:47	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 14:47	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 14:47	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 14:47	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 14:47	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 14:47	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 14:47	10
1,2,4-Trimethylbenzene	**71**		10	8.2	ug/L			07/16/25 14:47	10
1,3,5-Trimethylbenzene	**18**		10	5.6	ug/L			07/16/25 14:47	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 14:47	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 14:47	10
Xylenes, Total	**240**		100	60	ug/L			07/16/25 14:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/16/25 14:47*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/16/25 14:47*	*10*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 14:47*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.47**		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 19:09	1
Aniline	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:09	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzenethiol	**0.87**	**J**	9.9	0.59	ug/L		07/16/25 07:00	07/22/25 19:09	1
Anthracene	ND		0.20	0.072	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-chloroethyl)ether	ND	*+	9.9	0.72	ug/L		07/16/25 07:00	07/22/25 19:09	1

Client Sample ID: P59-ROX-071125
Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/16/25 07:00	07/22/25 19:09	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 19:09	1
Chrysene	ND		0.20	0.038	ug/L		07/16/25 07:00	07/22/25 19:09	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 19:09	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 19:09	1
Fluorene	**0.24**		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Chlorophenol	ND	*+	9.9	0.83	ug/L		07/16/25 07:00	07/22/25 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:09	1
1-Methylnaphthalene	**16**		0.20	0.065	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Methylnaphthalene	**25**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/16/25 07:00	07/22/25 19:09	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/16/25 07:00	07/22/25 19:09	1
Phenanthrene	**0.25**		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 19:09	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dimethylphenol	**3.7**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 19:09	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dinitrophenol	ND	*+	30	4.6	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,6-Dinitrotoluene	ND	*+	9.9	0.29	ug/L		07/16/25 07:00	07/22/25 19:09	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/16/25 07:00	07/22/25 19:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/16/25 07:00	07/22/25 19:09	1
Indene	**1.3**	**J**	9.9	0.43	ug/L		07/16/25 07:00	07/22/25 19:09	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Methylphenol	**2.0**	**J *+**	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 19:09	1
3 & 4 Methylphenol	ND	*+	20	4.5	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Nitroaniline	ND	*+	9.9	1.4	ug/L		07/16/25 07:00	07/22/25 19:09	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 19:09	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/16/25 07:00	07/22/25 19:09	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 19:09	1

Client Sample ID: P59-ROX-071125
Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND	*+	9.9	0.33	ug/L		07/16/25 07:00	07/22/25 19:09	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 19:09	1
Phenol	**10**	***+**	9.9	0.67	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 19:09	1
Quinoline	ND		9.9	0.49	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4,5-Trichlorophenol	ND	*+	9.9	0.53	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2-Fluorobiphenyl	*93*		*25 - 139*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2-Fluorophenol	*124*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Phenol-d5	*123*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2,4,6-Tribromophenol	*136*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**7.5**	**J H**	10	0.68	ug/L		07/23/25 07:00	07/24/25 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*
Phenol-d5	*89*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: T12-ROX-071125

Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 11:19	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*50 - 150*		*07/16/25 11:19*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 11:19*	*1*
4-Bromofluorobenzene	*113*		*50 - 150*		*07/16/25 11:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 15:08	10
Acrolein	ND		200	33	ug/L			07/16/25 15:08	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 15:08	10
Benzene	**1200**		10	5.0	ug/L			07/16/25 15:08	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 15:08	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 15:08	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 15:08	10
Bromoform	ND		50	2.5	ug/L			07/16/25 15:08	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 15:08	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 15:08	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 15:08	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 15:08	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 15:08	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 15:08	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 15:08	10
Chloroform	ND		10	9.0	ug/L			07/16/25 15:08	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 15:08	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 15:08	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 15:08	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 15:08	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 15:08	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 15:08	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 15:08	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 15:08	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 15:08	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 15:08	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:08	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 15:08	10
Ethylbenzene	**41**		10	5.0	ug/L			07/16/25 15:08	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 15:08	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 15:08	10
2-Hexanone	ND		250	43	ug/L			07/16/25 15:08	10
Isopropylbenzene	**22**		10	5.3	ug/L			07/16/25 15:08	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 15:08	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 15:08	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 15:08	10

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 15:08	10
m-Xylene & p-Xylene	**340**		50	30	ug/L			07/16/25 15:08	10
Naphthalene	**36**	**J**	50	30	ug/L			07/16/25 15:08	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 15:08	10
N-Propylbenzene	**37**		10	6.9	ug/L			07/16/25 15:08	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 15:08	10
o-Xylene	**31**	**J**	50	30	ug/L			07/16/25 15:08	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 15:08	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 15:08	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 15:08	10
Styrene	ND		10	10	ug/L			07/16/25 15:08	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 15:08	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 15:08	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 15:08	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 15:08	10
Toluene	**65**		10	9.0	ug/L			07/16/25 15:08	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:08	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 15:08	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 15:08	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 15:08	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 15:08	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 15:08	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 15:08	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 15:08	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 15:08	10
1,2,4-Trimethylbenzene	**10**		10	8.2	ug/L			07/16/25 15:08	10
1,3,5-Trimethylbenzene	**22**		10	5.6	ug/L			07/16/25 15:08	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 15:08	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 15:08	10
Xylenes, Total	**370**		100	60	ug/L			07/16/25 15:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/16/25 15:08*	*10*
Dibromofluoromethane	*100*		*79 - 130*		*07/16/25 15:08*	*10*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 15:08*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.45**		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 19:41	1
Aniline	ND		9.9	0.74	ug/L		07/16/25 07:00	07/22/25 19:41	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzenethiol	**0.66**	**J**	9.9	0.60	ug/L		07/16/25 07:00	07/22/25 19:41	1
Anthracene	**0.079**	**J**	0.20	0.073	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:41	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/22/25 19:41	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 19:41	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:41	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chloroaniline	ND		9.9	0.58	ug/L		07/16/25 07:00	07/22/25 19:41	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:41	1
Fluorene	**0.32**		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/16/25 07:00	07/22/25 19:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:41	1
1-Methylnaphthalene	**25**		0.20	0.066	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Methylnaphthalene	**41**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 19:41	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/22/25 19:41	1
Phenanthrene	**0.57**		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 19:41	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dimethylphenol	**4.8**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 19:41	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/16/25 07:00	07/22/25 19:41	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/16/25 07:00	07/22/25 19:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/16/25 07:00	07/22/25 19:41	1
Indene	**1.0**	**J**	9.9	0.44	ug/L		07/16/25 07:00	07/22/25 19:41	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Methylphenol	**2.7**	**J *+**	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 19:41	1
3 & 4 Methylphenol	ND	*+	20	4.6	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/16/25 07:00	07/22/25 19:41	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 19:41	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/16/25 07:00	07/22/25 19:41	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 19:41	1

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/16/25 07:00	07/22/25 19:41	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 19:41	1
Phenol	**44**	***+**	9.9	0.68	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Quinoline	ND		9.9	0.50	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Terphenyl-d14	*55*		*43 - 147*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2-Fluorophenol	*112*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Phenol-d5	*116*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Terphenyl-d14	*55*		*28 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2,4,6-Tribromophenol	*120*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**29**	**H**	10	0.68	ug/L		07/23/25 07:00	07/24/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*
Phenol-d5	*88*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P74-ROX-071125

Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 11:43	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 11:43*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 11:43*	*1*
4-Bromofluorobenzene	*110*		*50 - 150*		*07/16/25 11:43*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 15:29	10
Acrolein	ND		200	33	ug/L			07/16/25 15:29	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 15:29	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 15:29	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 15:29	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 15:29	10
Bromoform	ND		50	2.5	ug/L			07/16/25 15:29	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 15:29	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 15:29	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 15:29	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 15:29	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 15:29	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 15:29	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 15:29	10
Chloroform	ND		10	9.0	ug/L			07/16/25 15:29	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 15:29	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 15:29	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 15:29	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 15:29	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 15:29	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 15:29	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 15:29	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 15:29	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 15:29	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 15:29	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:29	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 15:29	10
Ethylbenzene	**74**		10	5.0	ug/L			07/16/25 15:29	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 15:29	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 15:29	10
2-Hexanone	ND		250	43	ug/L			07/16/25 15:29	10
Isopropylbenzene	ND		10	5.3	ug/L			07/16/25 15:29	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 15:29	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 15:29	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 15:29	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 15:29	10

Client Sample ID: P74-ROX-071125

Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**120**		50	30	ug/L			07/16/25 15:29	10
Naphthalene	ND		50	30	ug/L			07/16/25 15:29	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 15:29	10
N-Propylbenzene	ND		10	6.9	ug/L			07/16/25 15:29	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 15:29	10
o-Xylene	ND		50	30	ug/L			07/16/25 15:29	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 15:29	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 15:29	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 15:29	10
Styrene	ND		10	10	ug/L			07/16/25 15:29	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 15:29	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 15:29	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 15:29	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 15:29	10
Toluene	**52**		10	9.0	ug/L			07/16/25 15:29	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:29	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 15:29	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 15:29	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 15:29	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 15:29	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 15:29	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 15:29	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 15:29	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 15:29	10
1,2,4-Trimethylbenzene	**21**		10	8.2	ug/L			07/16/25 15:29	10
1,3,5-Trimethylbenzene	**7.4**	**J**	10	5.6	ug/L			07/16/25 15:29	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 15:29	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 15:29	10
Xylenes, Total	**130**		100	60	ug/L			07/16/25 15:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 15:29*	*10*
Dibromofluoromethane	*102*		*79 - 130*		*07/16/25 15:29*	*10*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/16/25 15:29*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4900**		20	10	ug/L			07/18/25 13:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*07/18/25 13:17*	*20*
Dibromofluoromethane	*105*		*79 - 130*		*07/18/25 13:17*	*20*
Toluene-d8 (Surr)	*92*		*64 - 132*		*07/18/25 13:17*	*20*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 20:13	1
Aniline	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 20:13	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzenethiol	**0.75**	**J**	9.9	0.59	ug/L		07/16/25 07:00	07/22/25 20:13	1

Client Sample ID: P74-ROX-071125

Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/16/25 07:00	07/22/25 20:13	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 20:13	1
Chrysene	ND		0.20	0.038	ug/L		07/16/25 07:00	07/22/25 20:13	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 20:13	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 20:13	1
Fluorene	ND		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/16/25 07:00	07/22/25 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:13	1
1-Methylnaphthalene	**1.6**		0.20	0.065	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Methylnaphthalene	**2.0**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/16/25 07:00	07/22/25 20:13	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/16/25 07:00	07/22/25 20:13	1
Phenanthrene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 20:13	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dimethylphenol	**8.4**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 20:13	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/16/25 07:00	07/22/25 20:13	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/16/25 07:00	07/22/25 20:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/16/25 07:00	07/22/25 20:13	1
Indene	**0.80**	**J**	9.9	0.43	ug/L		07/16/25 07:00	07/22/25 20:13	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 20:13	1

Client Sample ID: P74-ROX-071125
Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND	*+	20	4.5	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/16/25 07:00	07/22/25 20:13	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 20:13	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 20:13	1
Quinoline	ND		9.9	0.49	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*15 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Nitrobenzene-d5	*103*		*50 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Terphenyl-d14	*62*		*43 - 147*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2-Fluorobiphenyl	*97*		*25 - 139*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2-Fluorophenol	*128*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Nitrobenzene-d5	*103*		*22 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Phenol-d5	*127*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Terphenyl-d14	*62*		*28 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2,4,6-Tribromophenol	*143*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**70**	**J *+**	99	6.7	ug/L		07/16/25 07:00	07/23/25 15:34	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**63**	**H**	9.9	0.68	ug/L		07/23/25 07:00	07/24/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*
Phenol-d5	*89*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*
2,4,6-Tribromophenol	*98*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93A-ROX-071125
Lab Sample ID: 400-279098-6
Date Collected: 07/11/25 13:05
Matrix: Water
Date Received: 07/12/25 09:27

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.50	0.40	ug/L			07/16/25 12:06	25
1,2-Dibromoethane	ND		0.50	0.25	ug/L			07/16/25 12:06	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*50 - 150*		*07/16/25 12:06*	*25*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 12:06*	*25*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 12:06*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5000	2000	ug/L			07/16/25 15:50	200
Acrolein	ND		4000	660	ug/L			07/16/25 15:50	200
Acrylonitrile	ND		2000	560	ug/L			07/16/25 15:50	200
Benzene	**56000**		200	100	ug/L			07/16/25 15:50	200
Bromobenzene	ND		200	110	ug/L			07/16/25 15:50	200
Bromochloromethane	ND		200	100	ug/L			07/16/25 15:50	200
Bromodichloromethane	ND		200	100	ug/L			07/16/25 15:50	200
Bromoform	ND		1000	50	ug/L			07/16/25 15:50	200
Bromomethane	ND		200	200	ug/L			07/16/25 15:50	200
2-Butanone (MEK)	ND		5000	520	ug/L			07/16/25 15:50	200
Carbon disulfide	ND		200	100	ug/L			07/16/25 15:50	200
Carbon tetrachloride	ND		200	38	ug/L			07/16/25 15:50	200
Chlorobenzene	ND		200	84	ug/L			07/16/25 15:50	200
Chloroethane	ND		200	150	ug/L			07/16/25 15:50	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			07/16/25 15:50	200
Chloroform	ND		200	180	ug/L			07/16/25 15:50	200
1-Chlorohexane	ND		200	64	ug/L			07/16/25 15:50	200
Chloromethane	ND		200	80	ug/L			07/16/25 15:50	200
cis-1,2-Dichloroethene	ND		200	40	ug/L			07/16/25 15:50	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			07/16/25 15:50	200
Dibromochloromethane	ND		200	48	ug/L			07/16/25 15:50	200
1,2-Dichlorobenzene	ND		200	100	ug/L			07/16/25 15:50	200
1,3-Dichlorobenzene	ND		200	110	ug/L			07/16/25 15:50	200
1,4-Dichlorobenzene	ND		200	130	ug/L			07/16/25 15:50	200
Dichlorodifluoromethane	ND		200	170	ug/L			07/16/25 15:50	200
1,1-Dichloroethane	ND		200	100	ug/L			07/16/25 15:50	200
1,2-Dichloroethane	ND		200	110	ug/L			07/16/25 15:50	200
1,1-Dichloroethene	ND		200	100	ug/L			07/16/25 15:50	200
1,2-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
1,3-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
2,2-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
1,1-Dichloropropene	ND		200	18	ug/L			07/16/25 15:50	200
Ethylbenzene	ND		200	100	ug/L			07/16/25 15:50	200
Ethyl methacrylate	ND		200	120	ug/L			07/16/25 15:50	200
Hexachlorobutadiene	ND		1000	180	ug/L			07/16/25 15:50	200
2-Hexanone	ND		5000	850	ug/L			07/16/25 15:50	200
Isopropylbenzene	ND		200	110	ug/L			07/16/25 15:50	200
Methylene bromide	ND		1000	44	ug/L			07/16/25 15:50	200
Methylene Chloride	ND		1000	600	ug/L			07/16/25 15:50	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			07/16/25 15:50	200

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		200	44	ug/L			07/16/25 15:50	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			07/16/25 15:50	200
Naphthalene	ND		1000	600	ug/L			07/16/25 15:50	200
n-Butylbenzene	ND		200	150	ug/L			07/16/25 15:50	200
N-Propylbenzene	ND		200	140	ug/L			07/16/25 15:50	200
o-Chlorotoluene	ND		200	110	ug/L			07/16/25 15:50	200
o-Xylene	ND		1000	600	ug/L			07/16/25 15:50	200
p-Chlorotoluene	ND		200	110	ug/L			07/16/25 15:50	200
p-Isopropyltoluene	ND		200	140	ug/L			07/16/25 15:50	200
sec-Butylbenzene	ND		200	140	ug/L			07/16/25 15:50	200
Styrene	ND		200	200	ug/L			07/16/25 15:50	200
tert-Butylbenzene	ND		200	130	ug/L			07/16/25 15:50	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			07/16/25 15:50	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			07/16/25 15:50	200
Tetrachloroethene	ND		200	66	ug/L			07/16/25 15:50	200
Toluene	ND		200	180	ug/L			07/16/25 15:50	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			07/16/25 15:50	200
trans-1,3-Dichloropropene	ND		1000	40	ug/L			07/16/25 15:50	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			07/16/25 15:50	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			07/16/25 15:50	200
1,1,1-Trichloroethane	ND		200	36	ug/L			07/16/25 15:50	200
1,1,2-Trichloroethane	ND		1000	42	ug/L			07/16/25 15:50	200
Trichloroethene	ND		200	30	ug/L			07/16/25 15:50	200
Trichlorofluoromethane	ND		200	50	ug/L			07/16/25 15:50	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			07/16/25 15:50	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			07/16/25 15:50	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			07/16/25 15:50	200
Vinyl acetate	ND		5000	190	ug/L			07/16/25 15:50	200
Vinyl chloride	ND		200	100	ug/L			07/16/25 15:50	200
Xylenes, Total	ND		2000	1200	ug/L			07/16/25 15:50	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 15:50*	*200*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 15:50*	*200*
Toluene-d8 (Surr)	*97*		*64 - 132*		*07/16/25 15:50*	*200*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.12**	**J**	0.20	0.085	ug/L		07/16/25 07:00	07/22/25 20:45	1
Aniline	ND		10	0.74	ug/L		07/16/25 07:00	07/22/25 20:45	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzenethiol	**0.85**	**J**	10	0.60	ug/L		07/16/25 07:00	07/22/25 20:45	1
Anthracene	ND		0.20	0.073	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzoic acid	ND		100	80	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/16/25 07:00	07/22/25 20:45	1

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/22/25 20:45	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/16/25 07:00	07/22/25 20:45	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:45	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chloroaniline	ND		10	0.58	ug/L		07/16/25 07:00	07/22/25 20:45	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/16/25 07:00	07/22/25 20:45	1
Fluorene	**0.15**	**J**	0.20	0.087	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Chlorophenol	ND		10	0.84	ug/L		07/16/25 07:00	07/22/25 20:45	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:45	1
1-Methylnaphthalene	**3.6**		0.20	0.066	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenzofuran	ND		10	0.64	ug/L		07/16/25 07:00	07/22/25 20:45	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/22/25 20:45	1
Phenanthrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pyrene	ND		0.20	0.095	ug/L		07/16/25 07:00	07/22/25 20:45	1
Diethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/16/25 07:00	07/22/25 20:45	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/16/25 07:00	07/22/25 20:45	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
1,4-Dioxane	ND		10	4.3	ug/L		07/16/25 07:00	07/22/25 20:45	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachloroethane	ND		10	0.53	ug/L		07/16/25 07:00	07/22/25 20:45	1
Indene	ND		10	0.44	ug/L		07/16/25 07:00	07/22/25 20:45	1
Isophorone	ND		10	0.80	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/16/25 07:00	07/22/25 20:45	1
3 & 4 Methylphenol	ND	*+	20	4.6	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Nitroaniline	ND		10	1.4	ug/L		07/16/25 07:00	07/22/25 20:45	1
3-Nitroaniline	ND		10	0.95	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Nitroaniline	ND		10	3.5	ug/L		07/16/25 07:00	07/22/25 20:45	1
Nitrobenzene	ND		10	0.60	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Nitrophenol	ND		10	1.2	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/16/25 07:00	07/22/25 20:45	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/16/25 07:00	07/22/25 20:45	1

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
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Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/16/25 07:00	07/22/25 20:45	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pentachlorophenol	ND		10	2.8	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pyridine	ND		10	3.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Quinoline	ND		10	0.50	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/16/25 07:00	07/22/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2-Fluorophenol	*122*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Nitrobenzene-d5	*95*		*22 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Phenol-d5	*126*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2,4,6-Tribromophenol	*126*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**320**	***+**	100	6.8	ug/L		07/16/25 07:00	07/23/25 16:06	10
Phenol	**360**	**H**	100	6.8	ug/L		07/23/25 07:00	07/25/25 14:08	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*1*
Phenol-d5	*96*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279098-1	TB-ROX-071125-8260	103	103	100
400-279098-3	P59-ROX-071125	101	99	100
400-279098-4	T12-ROX-071125	100	100	100
400-279098-5	P74-ROX-071125	99	102	99
400-279098-5 - DL	P74-ROX-071125	105	105	92
400-279098-6	P93A-ROX-071125	99	103	97
LCS 400-716165/1002	Lab Control Sample	106	99	102
LCS 400-716476/1002	Lab Control Sample	93	114	90
MB 400-716165/5	Method Blank	99	103	101
MB 400-716476/4	Method Blank	99	109	93

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279098-2	TB-ROX-071125-8260SIM	99	98	104
400-279098-3	P59-ROX-071125	93	99	105
400-279098-4	T12-ROX-071125	91	99	113
400-279098-5	P74-ROX-071125	93	99	110
400-279098-6	P93A-ROX-071125	92	98	105
LCS 400-716127/1004	Lab Control Sample	94	100	105
MB 400-716127/6	Method Blank	101	98	106

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-279098-3	P59-ROX-071125	93	93	61	93	124	93	123	61
400-279098-3 - RERA	P59-ROX-071125					85		89	
400-279098-4	T12-ROX-071125	88	86	55	88	112	86	116	55
400-279098-4 - RERA	T12-ROX-071125					85		88	
400-279098-5	P74-ROX-071125	97	103	62	97	128	103	127	62
400-279098-5 - RERA	P74-ROX-071125					85		89	
400-279098-6	P93A-ROX-071125	95	95	61	95	122	95	126	61
400-279098-6 - RERA	P93A-ROX-071125					91		96	
LCS 400-716168/2-A	Lab Control Sample				95	128	112	138	102
LCS 400-716168/2-A	Lab Control Sample	97	106	102					

Surrogate Summary

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-716168/47-A	Lab Control Sample				99	119	110	122	98
LCS 400-717019/2-A - RE	Lab Control Sample					102		111	
LCSD 400-716168/3-A	Lab Control Sample Dup				95	127	113	134	106
LCSD 400-716168/3-A	Lab Control Sample Dup	102	113	106					
LCSD 400-716168/48-A	Lab Control Sample Dup				98	123	112	120	98
LCSD 400-717019/3-A - RE	Lab Control Sample Dup					100		109	
MB 400-716168/1-A	Method Blank	94	105	88	94	106	105	98	88
MB 400-717019/1-A - RE	Method Blank					94		91	

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-279098-3	P59-ROX-071125	136							
400-279098-3 - RERA	P59-ROX-071125	102							
400-279098-4	T12-ROX-071125	120							
400-279098-4 - RERA	T12-ROX-071125	92							
400-279098-5	P74-ROX-071125	143							
400-279098-5 - RERA	P74-ROX-071125	98							
400-279098-6	P93A-ROX-071125	126							
400-279098-6 - RERA	P93A-ROX-071125	110							
LCS 400-716168/2-A	Lab Control Sample	123							
LCS 400-716168/2-A	Lab Control Sample								
LCS 400-716168/47-A	Lab Control Sample	105							
LCS 400-717019/2-A - RE	Lab Control Sample	101							
LCSD 400-716168/3-A	Lab Control Sample Dup	122							
LCSD 400-716168/3-A	Lab Control Sample Dup								
LCSD 400-716168/48-A	Lab Control Sample Dup	106							
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	99							
MB 400-716168/1-A	Method Blank	107							
MB 400-717019/1-A - RE	Method Blank	91							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-071125-8260
Lab Sample ID: 400-279098-1
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716165	07/16/25 13:44	CAR	EET PEN

Client Sample ID: TB-ROX-071125-8260SIM
Lab Sample ID: 400-279098-2
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 14:26	NMB	EET PEN

Client Sample ID: P59-ROX-071125
Lab Sample ID: 400-279098-3
Date Collected: 07/11/25 09:45
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 14:47	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:47	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716804	07/22/25 19:09	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716805	07/22/25 19:09	UI	EET PEN
Total/NA	Prep	3511	RERA		29.9 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 11:42	JAW	EET PEN

Client Sample ID: T12-ROX-071125
Lab Sample ID: 400-279098-4
Date Collected: 07/11/25 10:50
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 15:08	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 11:19	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 19:41	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 19:41	UI	EET PEN
Total/NA	Prep	3511	RERA		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 12:13	JAW	EET PEN

Client Sample ID: P74-ROX-071125
Lab Sample ID: 400-279098-5
Date Collected: 07/11/25 12:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	20	5 mL	5 mL	716476	07/18/25 13:17	BPO	EET PEN
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 15:29	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 11:43	NMB	EET PEN

Client Sample ID: P74-ROX-071125
Lab Sample ID: 400-279098-5
Date Collected: 07/11/25 12:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 20:13	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 20:13	UI	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			716966	07/23/25 15:34	S1B	EET PEN
Total/NA	Prep	3511	RERA		30.2 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 12:45	JAW	EET PEN

Client Sample ID: P93A-ROX-071125
Lab Sample ID: 400-279098-6
Date Collected: 07/11/25 13:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	716165	07/16/25 15:50	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716127	07/16/25 12:06	NMB	EET PEN
Total/NA	Prep	3511	DL		30.1 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			717240	07/25/25 14:08	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 20:45	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 20:45	UI	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			716966	07/23/25 16:06	S1B	EET PEN
Total/NA	Prep	3511	RERA		30.1 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 13:16	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716127/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 09:07	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716165/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716165	07/16/25 10:55	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716168/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716657	07/21/25 14:43	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 14:43	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716476/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716476	07/18/25 10:46	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-717019/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 10:07	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716127/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 07:59	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716165/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716165	07/16/25 09:42	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716168/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716658	07/21/25 15:19	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 14:20	UI	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716168/47-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 09:48	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 16:32	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716476/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716476	07/18/25 09:34	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-717019/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 10:39	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716168/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 15:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 14:52	UI	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716168/48-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 09:48	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 17:08	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-717019/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 11:10	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 716127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-2	TB-ROX-071125-8260SIM	Total/NA	Water	8260D SIM	
400-279098-3	P59-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-4	T12-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-5	P74-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-6	P93A-ROX-071125	Total/NA	Water	8260D SIM	
MB 400-716127/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716127/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-1	TB-ROX-071125-8260	Total/NA	Water	8260D	
400-279098-3	P59-ROX-071125	Total/NA	Water	8260D	
400-279098-4	T12-ROX-071125	Total/NA	Water	8260D	
400-279098-5	P74-ROX-071125	Total/NA	Water	8260D	
400-279098-6	P93A-ROX-071125	Total/NA	Water	8260D	
MB 400-716165/5	Method Blank	Total/NA	Water	8260D	
LCS 400-716165/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	8260D	
MB 400-716476/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716476/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	3511	
400-279098-4	T12-ROX-071125	Total/NA	Water	3511	
400-279098-5	P74-ROX-071125	Total/NA	Water	3511	
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	3511	
400-279098-6	P93A-ROX-071125	Total/NA	Water	3511	
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	3511	
MB 400-716168/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716168/47-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716168/48-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716168/1-A	Method Blank	Total/NA	Water	8270E	716168

Analysis Batch: 716658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716168/1-A	Method Blank	Total/NA	Water	8270E	716168
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCS 400-716168/47-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168
LCSD 400-716168/48-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168

GC/MS Semi VOA

Analysis Batch: 716804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	8270E	716168
400-279098-4	T12-ROX-071125	Total/NA	Water	8270E	716168
400-279098-5	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6	P93A-ROX-071125	Total/NA	Water	8270E	716168
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168

Analysis Batch: 716805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	8270E	716168
400-279098-4	T12-ROX-071125	Total/NA	Water	8270E	716168
400-279098-5	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6	P93A-ROX-071125	Total/NA	Water	8270E	716168

Analysis Batch: 716966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	8270E	716168

Prep Batch: 717019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3 - RERA	P59-ROX-071125	Total/NA	Water	3511	
400-279098-4 - RERA	T12-ROX-071125	Total/NA	Water	3511	
400-279098-5 - RERA	P74-ROX-071125	Total/NA	Water	3511	
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	3511	
400-279098-6 - RERA	P93A-ROX-071125	Total/NA	Water	3511	
MB 400-717019/1-A - RE	Method Blank	Total/NA	Water	3511	
LCS 400-717019/2-A - RE	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 717094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3 - RERA	P59-ROX-071125	Total/NA	Water	8270E	717019
400-279098-4 - RERA	T12-ROX-071125	Total/NA	Water	8270E	717019
400-279098-5 - RERA	P74-ROX-071125	Total/NA	Water	8270E	717019
400-279098-6 - RERA	P93A-ROX-071125	Total/NA	Water	8270E	717019
MB 400-717019/1-A - RE	Method Blank	Total/NA	Water	8270E	717019
LCS 400-717019/2-A - RE	Lab Control Sample	Total/NA	Water	8270E	717019
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	Total/NA	Water	8270E	717019

Analysis Batch: 717240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	8270E	717019

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716165/5
Matrix: Water
Analysis Batch: 716165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/16/25 10:55	1
Acrolein	ND		20	3.3	ug/L			07/16/25 10:55	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 10:55	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 10:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 10:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 10:55	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 10:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 10:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 10:55	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 10:55	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 10:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 10:55	1
Chloroform	ND		1.0	0.90	ug/L			07/16/25 10:55	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 10:55	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 10:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 10:55	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 10:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 10:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 10:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 10:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 10:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 10:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 10:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 10:55	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 10:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 10:55	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 10:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 10:55	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 10:55	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 10:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 10:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 10:55	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 10:55	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716165/5
Matrix: Water
Analysis Batch: 716165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/16/25 10:55	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 10:55	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 10:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 10:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 10:55	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 10:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 10:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 10:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 10:55	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 10:55	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 10:55	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 10:55	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 10:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 10:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 10:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 10:55	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 10:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 10:55*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 10:55*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/16/25 10:55*	*1*

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	239		ug/L		120	43 - 150
Acrolein	500	616		ug/L		123	38 - 150
Acrylonitrile	500	543		ug/L		109	64 - 142
Benzene	50.0	50.0		ug/L		100	70 - 130
Bromobenzene	50.0	52.2		ug/L		104	70 - 132
Bromochloromethane	50.0	50.3		ug/L		101	70 - 130
Bromodichloromethane	50.0	52.5		ug/L		105	67 - 133
Bromoform	50.0	55.8		ug/L		112	57 - 140
Bromomethane	50.0	47.7		ug/L		95	10 - 150
2-Butanone (MEK)	200	210		ug/L		105	61 - 145
Carbon disulfide	50.0	40.1		ug/L		80	61 - 137
Carbon tetrachloride	50.0	48.8		ug/L		98	61 - 137
Chlorobenzene	50.0	51.1		ug/L		102	70 - 130
Chloroethane	50.0	50.7		ug/L		101	55 - 141
2-Chloroethyl vinyl ether	50.0	57.9		ug/L		116	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	51.4		ug/L		103	69 - 130
1-Chlorohexane	50.0	62.4		ug/L		125	69 - 130
Chloromethane	50.0	41.1		ug/L		82	58 - 137
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	55.7		ug/L		111	69 - 132
Dibromochloromethane	50.0	55.4		ug/L		111	67 - 135
1,2-Dichlorobenzene	50.0	53.5		ug/L		107	67 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	28.3		ug/L		57	41 - 146
1,1-Dichloroethane	50.0	53.4		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	52.4		ug/L		105	69 - 130
1,1-Dichloroethene	50.0	45.9		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	57.4		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	56.1		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	54.0		ug/L		108	52 - 135
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Ethyl methacrylate	50.0	55.7		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	51.7		ug/L		103	53 - 140
2-Hexanone	200	250		ug/L		125	65 - 137
Isopropylbenzene	50.0	50.8		ug/L		102	70 - 130
Methylene bromide	50.0	52.1		ug/L		104	70 - 130
Methylene Chloride	50.0	49.2		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	234		ug/L		117	69 - 138
Methyl tert-butyl ether	50.0	52.5		ug/L		105	66 - 130
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 130
Naphthalene	50.0	55.5		ug/L		111	47 - 149
n-Butylbenzene	50.0	55.1		ug/L		110	67 - 130
N-Propylbenzene	50.0	51.1		ug/L		102	70 - 130
o-Chlorotoluene	50.0	53.3		ug/L		107	70 - 130
o-Xylene	50.0	51.2		ug/L		102	70 - 130
p-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	52.0		ug/L		104	65 - 130
sec-Butylbenzene	50.0	52.2		ug/L		104	66 - 130
Styrene	50.0	52.8		ug/L		106	70 - 130
tert-Butylbenzene	50.0	52.4		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.5		ug/L		111	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	45.4		ug/L		91	65 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	57.8		ug/L		116	63 - 130
1,2,3-Trichlorobenzene	50.0	56.0		ug/L		112	60 - 138
1,2,4-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	68 - 130
1,1,2-Trichloroethane	50.0	58.8		ug/L		118	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	47.7		ug/L		95	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	50.4		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	53.0		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	69 - 130
Vinyl acetate	100	119		ug/L		119	26 - 150
Vinyl chloride	50.0	48.4		ug/L		97	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: MB 400-716476/4
Matrix: Water
Analysis Batch: 716476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			07/18/25 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/18/25 10:46*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*07/18/25 10:46*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*07/18/25 10:46*	*1*

Lab Sample ID: LCS 400-716476/1002
Matrix: Water
Analysis Batch: 716476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	58.1		ug/L		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*56 - 136*
Dibromofluoromethane	*114*		*79 - 130*
Toluene-d8 (Surr)	*90*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 09:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 09:07*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 09:07*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 09:07*	*1*

Lab Sample ID: LCS 400-716127/1004
Matrix: Water
Analysis Batch: 716127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.463		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.541		ug/L		108	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*94*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/16/25 07:00	07/21/25 14:43	1
Aniline	ND		10	0.74	ug/L		07/16/25 07:00	07/21/25 14:43	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzenethiol	ND		10	0.60	ug/L		07/16/25 07:00	07/21/25 14:43	1
Anthracene	ND		0.20	0.073	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzoic acid	ND		100	80	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzyl alcohol	ND		35	30	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/21/25 14:43	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/16/25 07:00	07/21/25 14:43	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/21/25 14:43	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chloroaniline	ND		10	0.58	ug/L		07/16/25 07:00	07/21/25 14:43	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/16/25 07:00	07/21/25 14:43	1
Fluorene	ND		0.20	0.087	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/16/25 07:00	07/21/25 14:43	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	0.84	ug/L		07/16/25 07:00	07/21/25 14:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/21/25 14:43	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenzofuran	ND		10	0.64	ug/L		07/16/25 07:00	07/21/25 14:43	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/21/25 14:43	1
Phenanthrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pyrene	ND		0.20	0.095	ug/L		07/16/25 07:00	07/21/25 14:43	1
Diethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/16/25 07:00	07/21/25 14:43	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/16/25 07:00	07/21/25 14:43	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
1,4-Dioxane	6.39	J	10	4.3	ug/L		07/16/25 07:00	07/21/25 14:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachloroethane	ND		10	0.53	ug/L		07/16/25 07:00	07/21/25 14:43	1
Indene	ND		10	0.44	ug/L		07/16/25 07:00	07/21/25 14:43	1
Isophorone	ND		10	0.80	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Methylphenol	ND		10	0.76	ug/L		07/16/25 07:00	07/21/25 14:43	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Nitroaniline	ND		10	1.4	ug/L		07/16/25 07:00	07/21/25 14:43	1
3-Nitroaniline	ND		10	0.95	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Nitroaniline	ND		10	3.5	ug/L		07/16/25 07:00	07/21/25 14:43	1
Nitrobenzene	ND		10	0.60	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Nitrophenol	ND		10	1.2	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Nitrophenol	ND		10	2.7	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pentachlorophenol	ND		10	2.8	ug/L		07/16/25 07:00	07/21/25 14:43	1
Phenol	ND		10	0.68	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pyridine	ND		10	3.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Quinoline	ND		10	0.50	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/16/25 07:00	07/21/25 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/16/25 07:00*	*07/21/25 14:43*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	105		50 - 150	07/16/25 07:00	07/21/25 14:43	1
Terphenyl-d14	88		43 - 147	07/16/25 07:00	07/21/25 14:43	1
2-Fluorobiphenyl	94		25 - 139	07/16/25 07:00	07/21/25 14:43	1
2-Fluorophenol	106		10 - 150	07/16/25 07:00	07/21/25 14:43	1
Nitrobenzene-d5	105		22 - 150	07/16/25 07:00	07/21/25 14:43	1
Phenol-d5	98		10 - 150	07/16/25 07:00	07/21/25 14:43	1
Terphenyl-d14	88		28 - 150	07/16/25 07:00	07/21/25 14:43	1
2,4,6-Tribromophenol	107		10 - 150	07/16/25 07:00	07/21/25 14:43	1

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	44.4		ug/L		133	10 - 134
Benzoic acid	214	112		ug/L		52	10 - 180
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Bis(2-chloroethoxy)methane	33.3	42.4	*+	ug/L		127	34 - 120
Bis(2-chloroethyl)ether	33.3	38.1		ug/L		114	32 - 114
bis (2-chloroisopropyl) ether	33.3	37.6		ug/L		113	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	44.3		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	38.7		ug/L		116	24 - 120
Butyl benzyl phthalate	33.3	36.1		ug/L		108	24 - 140
4-Chloroaniline	33.3	36.8		ug/L		111	10 - 150
4-Chloro-3-methylphenol	33.3	45.3		ug/L		136	10 - 137
2-Chloronaphthalene	33.3	38.3		ug/L		115	10 - 150
2-Chlorophenol	33.3	42.5		ug/L		127	28 - 127
4-Chlorophenyl phenyl ether	33.3	37.0	*+	ug/L		111	31 - 110
Dibenz[a,h]acridine	49.9	51.7		ug/L		104	40 - 150
Dibenzofuran	33.3	36.6		ug/L		110	35 - 110
3,3'-Dichlorobenzidine	33.3	36.0		ug/L		108	10 - 150
2,4-Dichlorophenol	33.3	41.4		ug/L		124	30 - 125
Diethyl phthalate	33.3	28.4		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	38.3		ug/L		115	10 - 142
Dimethyl phthalate	33.3	29.2		ug/L		88	24 - 125
Di-n-butyl phthalate	33.3	35.7		ug/L		107	30 - 127
4,6-Dinitro-ortho-cresol	66.7	89.2		ug/L		134	10 - 150
2,4-Dinitrophenol	66.7	96.0		ug/L		144	10 - 150
2,4-Dinitrotoluene	33.3	42.9		ug/L		129	30 - 129
2,6-Dinitrotoluene	33.3	42.1		ug/L		126	34 - 132
Di-n-octyl phthalate	33.3	43.0		ug/L		129	28 - 142
1,4-Dioxane	33.3	41.4		ug/L		124	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.7		ug/L		119	29 - 121
Hexachlorobenzene	33.3	39.6	*+	ug/L		119	29 - 113
Hexachlorocyclopentadiene	33.3	28.5		ug/L		86	10 - 150
Hexachloroethane	33.3	25.4		ug/L		76	10 - 112
Indene	50.0	36.0		ug/L		72	10 - 113
Isophorone	33.3	41.0		ug/L		123	29 - 125

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	33.3	44.5	*+	ug/L		133	11 - 121
3 & 4 Methylphenol	33.3	52.1	*+	ug/L		156	10 - 150
2-Nitroaniline	33.3	45.1		ug/L		135	31 - 141
3-Nitroaniline	33.3	38.2		ug/L		115	33 - 136
4-Nitroaniline	33.3	42.2		ug/L		127	37 - 139
Nitrobenzene	33.3	38.5		ug/L		115	29 - 129
2-Nitrophenol	33.3	44.2		ug/L		133	31 - 142
4-Nitrophenol	66.7	112	*+	ug/L		168	10 - 150
N-Nitrosodimethylamine	33.3	40.9		ug/L		123	10 - 136
N-Nitrosodi-n-propylamine	33.3	42.4		ug/L		127	53 - 134
N-Nitrosodiphenylamine	33.1	39.3		ug/L		119	62 - 132
Pentachlorophenol	66.7	97.9		ug/L		147	14 - 150
Phenol	33.3	52.5	*+	ug/L		158	10 - 150
Pyridine	66.7	75.9		ug/L		114	10 - 150
Quinoline	49.9	49.2		ug/L		99	50 - 150
2,4,5-Trichlorophenol	33.3	44.0		ug/L		132	27 - 136
2,4,6-Trichlorophenol	33.3	43.5		ug/L		131	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*25 - 139*
2-Fluorophenol	*128*		*10 - 150*
Nitrobenzene-d5	*112*		*22 - 150*
Phenol-d5	*138*		*10 - 150*
Terphenyl-d14	*102*		*28 - 150*
2,4,6-Tribromophenol	*123*		*10 - 150*

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.7		ug/L		107	29 - 150
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	38.0		ug/L		114	31 - 150
Benzo[a]anthracene	33.3	39.7		ug/L		119	36 - 150
Benzo[a]pyrene	33.3	37.4		ug/L		112	29 - 150
Benzo[b]fluoranthene	33.3	38.1		ug/L		114	32 - 150
Benzo[g,h,i]perylene	33.3	37.8		ug/L		113	28 - 150
Benzo[k]fluoranthene	33.3	38.6		ug/L		116	30 - 150
Chrysene	33.3	35.5		ug/L		107	34 - 150
Dibenz(a,h)anthracene	33.3	36.5		ug/L		110	29 - 150
Fluoranthene	33.3	38.2		ug/L		115	30 - 150
Fluorene	33.3	38.2		ug/L		115	30 - 150
Indeno[1,2,3-cd]pyrene	33.3	37.0		ug/L		111	28 - 150
1-Methylnaphthalene	33.3	33.9		ug/L		102	25 - 150
2-Methylnaphthalene	33.3	32.3		ug/L		97	24 - 150
Phenanthrene	33.3	37.8		ug/L		113	32 - 150
Pyrene	33.3	40.7		ug/L		122	30 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*15 - 150*
Nitrobenzene-d5	*106*		*50 - 150*
Terphenyl-d14	*102*		*43 - 147*

Lab Sample ID: LCS 400-716168/47-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	40.2		ug/L		80	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*110*		*22 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*98*		*28 - 150*
2,4,6-Tribromophenol	*105*		*10 - 150*

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			33.3	42.7		ug/L		128	10 - 134	4	40
Benzoic acid			214	139		ug/L		65	10 - 180	21	40
Benzyl alcohol			33.3	43.7		ug/L		131	10 - 150	2	40
Bis(2-chloroethoxy)methane			33.3	42.4	*+	ug/L		127	34 - 120	0	40
Bis(2-chloroethyl)ether			33.3	37.6		ug/L		113	32 - 114	1	40
bis (2-chloroisopropyl) ether			33.3	36.3		ug/L		109	32 - 115	4	40
Bis(2-ethylhexyl) phthalate			33.3	43.7		ug/L		131	24 - 133	1	40
4-Bromophenyl phenyl ether			33.3	37.5		ug/L		113	24 - 120	3	40
Butyl benzyl phthalate			33.3	35.7		ug/L		107	24 - 140	1	40
4-Chloroaniline			33.3	37.2		ug/L		112	10 - 150	1	40
4-Chloro-3-methylphenol			33.3	44.1		ug/L		132	10 - 137	3	40
2-Chloronaphthalene			33.3	35.4		ug/L		106	10 - 150	8	40
2-Chlorophenol			33.3	40.3		ug/L		121	28 - 127	5	40
4-Chlorophenyl phenyl ether			33.3	36.7		ug/L		110	31 - 110	1	40
Dibenz[a,h]acridine			49.9	51.0		ug/L		102	40 - 150	1	40
Dibenzofuran			33.3	35.5		ug/L		106	35 - 110	3	40
3,3'-Dichlorobenzidine			33.3	36.1		ug/L		108	10 - 150	0	40
2,4-Dichlorophenol			33.3	39.8		ug/L		119	30 - 125	4	40
Diethyl phthalate			33.3	29.6		ug/L		89	31 - 118	4	40
2,4-Dimethylphenol			33.3	38.7		ug/L		116	10 - 142	1	40
Dimethyl phthalate			33.3	28.6		ug/L		86	24 - 125	2	40
Di-n-butyl phthalate			33.3	34.8		ug/L		104	30 - 127	3	40
4,6-Dinitro-ortho-cresol			66.7	86.1		ug/L		129	10 - 150	4	40
2,4-Dinitrophenol			66.7	90.5		ug/L		136	10 - 150	6	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene			33.3	41.5		ug/L		125	30 - 129	3	40
2,6-Dinitrotoluene			33.3	41.8		ug/L		125	34 - 132	1	40
Di-n-octyl phthalate			33.3	42.2		ug/L		127	28 - 142	2	40
1,4-Dioxane			33.3	40.9		ug/L		123	10 - 137	1	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	38.2		ug/L		115	29 - 121	4	40
Hexachlorobenzene			33.3	38.9	*+	ug/L		117	29 - 113	2	40
Hexachlorocyclopentadiene			33.3	30.2		ug/L		91	10 - 150	6	40
Hexachloroethane			33.3	27.2		ug/L		82	10 - 112	7	40
Indene			50.0	38.7		ug/L		77	10 - 113	7	40
Isophorone			33.3	39.8		ug/L		119	29 - 125	3	40
2-Methylphenol			33.3	41.5	*+	ug/L		124	11 - 121	7	40
3 & 4 Methylphenol			33.3	48.1		ug/L		144	10 - 150	8	40
2-Nitroaniline			33.3	44.6		ug/L		134	31 - 141	1	40
3-Nitroaniline			33.3	38.1		ug/L		114	33 - 136	0	40
4-Nitroaniline			33.3	41.6		ug/L		125	37 - 139	2	40
Nitrobenzene			33.3	37.9		ug/L		114	29 - 129	2	40
2-Nitrophenol			33.3	43.9		ug/L		132	31 - 142	1	40
4-Nitrophenol			66.7	107	*+	ug/L		160	10 - 150	5	40
N-Nitrosodimethylamine			33.3	39.7		ug/L		119	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	41.1		ug/L		123	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	37.8		ug/L		114	62 - 132	4	40
Pentachlorophenol			66.7	92.5		ug/L		139	14 - 150	6	40
Phenol			33.3	48.2		ug/L		145	10 - 150	8	40
Pyridine			66.7	75.8		ug/L		114	10 - 150	0	40
Quinoline			49.9	50.6		ug/L		101	50 - 150	3	40
2,4,5-Trichlorophenol			33.3	40.3		ug/L		121	27 - 136	9	40
2,4,6-Trichlorophenol			33.3	41.8		ug/L		126	21 - 132	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*113*		*22 - 150*
Phenol-d5	*134*		*10 - 150*
Terphenyl-d14	*106*		*28 - 150*
2,4,6-Tribromophenol	*122*		*10 - 150*

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	36.4		ug/L		109	29 - 150	2	40
Acenaphthylene			33.3	36.7		ug/L		110	30 - 150	1	40
Anthracene			33.3	37.7		ug/L		113	31 - 150	1	40
Benzo[a]anthracene			33.3	39.5		ug/L		118	36 - 150	0	40
Benzo[a]pyrene			33.3	37.3		ug/L		112	29 - 150	1	40
Benzo[b]fluoranthene			33.3	38.4		ug/L		115	32 - 150	1	40
Benzo[g,h,i]perylene			33.3	37.4		ug/L		112	28 - 150	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[k]fluoranthene			33.3	38.2		ug/L		114	30 - 150	1	40
Chrysene			33.3	35.7		ug/L		107	34 - 150	1	40
Dibenz(a,h)anthracene			33.3	36.2		ug/L		109	29 - 150	1	40
Fluoranthene			33.3	37.6		ug/L		113	30 - 150	2	40
Fluorene			33.3	39.0		ug/L		117	30 - 150	2	40
Indeno[1,2,3-cd]pyrene			33.3	36.5		ug/L		109	28 - 150	1	40
1-Methylnaphthalene			33.3	34.2		ug/L		103	25 - 150	1	40
2-Methylnaphthalene			33.3	33.2		ug/L		100	24 - 150	3	40
Phenanthrene			33.3	37.3		ug/L		112	32 - 150	1	40
Pyrene			33.3	39.7		ug/L		119	30 - 150	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*102*		*15 - 150*
Nitrobenzene-d5	*113*		*50 - 150*
Terphenyl-d14	*106*		*43 - 147*

Lab Sample ID: LCSD 400-716168/48-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*25 - 139*
2-Fluorophenol	*123*		*10 - 150*
Nitrobenzene-d5	*112*		*22 - 150*
Phenol-d5	*120*		*10 - 150*
Terphenyl-d14	*98*		*28 - 150*
2,4,6-Tribromophenol	*106*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RE

Lab Sample ID: MB 400-717019/1-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol - RE	ND		10	0.68	ug/L		07/23/25 07:00	07/24/25 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol - RE	*94*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*
Phenol-d5 - RE	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*
2,4,6-Tribromophenol - RE	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RE (Continued)

Lab Sample ID: LCS 400-717019/2-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717019

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol - RE			33.3	37.3		ug/L		112	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol - RE	*102*		*10 - 150*
Phenol-d5 - RE	*111*		*10 - 150*
2,4,6-Tribromophenol - RE	*101*		*10 - 150*

Lab Sample ID: LCSD 400-717019/3-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 717019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol - RE			33.3	31.5		ug/L		95	10 - 150	17	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol - RE	*100*		*10 - 150*
Phenol-d5 - RE	*109*		*10 - 150*
2,4,6-Tribromophenol - RE	*99*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/11/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of ____1___
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins, Mary Massa

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES: 4.8°C IR8

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071125-8260	7/11/2025	0000	Water	2					2	X			
	TB-ROX-071125-8260SIM	7/11/2025	0000	Water	2					2		X		
	P59-ROX-071125	7/11/2025	0945	Water	6			4		10	X	X	X	X
	T12-ROX-071125	7/11/2025	1050	Water	6			4		10	X	X	X	X
	P74-ROX-071125	7/11/2025	1205	Water	6			4		10	X	X	X	X
	P93A-ROX-071125	7/11/2025	1305	Water	6			4		10	X	X	X	X

400-279098 Chain of Custody

TS 7/11/25

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 5564 3938 0312	Date: 7/11/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Barkston	Date: 7/12/25	Time: 927
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version. 19Sept24

CUSTODY SEALS: 2772469, 2772468

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8/6/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279098-1

Login Number: 279098
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279181-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 9/1/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Benzoic acid	25/41	**49**	10-180/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-chloroethoxy) methane	**124/125**	1	34-120/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	133/**136**	2	24-133/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111/111**	1	31-110/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Hexachlorobenzene	**115/114**	1	29-113/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	2-Methylphenol	**136/132**	2	11-121/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Nitrophenol	**160/163**	2	10-150/40

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification. Analytical data that required qualification based on LCS/LCSD data are referenced below. **Method 8270E (SVOCs)** **Sample ID** / **Parameter** / **Analyte** / **Qualification** P58-ROX-071425 / SVOCs / 2-Methylphenol / **J** P58-ROX-071425-DUP / SVOCs / 2-Methylphenol / **J**					
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		
Samples analyzed did not require dilution with the exception of non-detect VOCs in samples P58-ROX-071425, P58-ROX-071425-DUP and P93B-ROX-071425 due to the abundance of non-target analytes and/or to bring the concentration of target analytes within the calibration range. VOCs were non-detect at a dilution factor between 5X, with raised reporting limits of between 5.0 and 130,000 µg/L. VOCs in samples P58-ROX-071425, P58-ROX-071425-DUP and P93B-ROX-071425 were qualified as estimated (UJ) due to sample dilution and historical detections.					
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on July 31, 2025, to removed reported false positives for 2,4-dinitrotoluene.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
P58-ROX-071425	SVOCs	Pyridine	UJ
P58-ROX-071425-DUP	SVOCs	Pyridine	UJ
P93B-ROX-071425	SVOCs	Pyridine	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/31/2025 2:46:33 PM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279181-1

Reviewed 9/1/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/31/2025 2:46:33 PM
Revision 1

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-279181-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision
Report revised to unreport false positives for 2,4-dinitrotoluene. Supersedes report dated 7-28-2025.

Receipt
The samples were received on 7/15/2025 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-ROX-071425-8260 (400-279181-1), P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716612 recovered above the upper control limit for 1-Chlorohexane and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D_SIM: The following samples were diluted due to the abundance of non-target analytes: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716959 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane and Hexachlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 400-279181-1 (Continued)

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane, Bis(2-ethylhexyl) phthalate and Hexachlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-716435 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279181-1	TB-ROX-071425-8260	Water	07/14/25 00:00	07/15/25 10:05
400-279181-2	TB-ROX-071425-8260SIM	Water	07/14/25 00:00	07/15/25 10:05
400-279181-3	P58-ROX-071425	Water	07/14/25 10:00	07/15/25 10:05
400-279181-4	P58-ROX-071425-DUP	Water	07/14/25 10:00	07/15/25 10:05
400-279181-5	P93B-ROX-071425	Water	07/14/25 11:35	07/15/25 10:05

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: TB-ROX-071425-8260 — Lab Sample ID: 400-279181-1

No Detections.

Client Sample ID: TB-ROX-071425-8260SIM — Lab Sample ID: 400-279181-2

No Detections.

Client Sample ID: P58-ROX-071425 — Lab Sample ID: 400-279181-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	660	J	1000	500	ug/L	1000		8260D	Total/NA
Benzene - DL	390000		5000	2500	ug/L	5000		8260D	Total/NA
Acenaphthene	0.76		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.20		0.20	0.047	ug/L	1		8270E	Total/NA
Benzo[a]anthracene	0.044	J	0.20	0.040	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.052	J	0.20	0.045	ug/L	1		8270E	Total/NA
Chrysene	0.10	J	0.20	0.039	ug/L	1		8270E	Total/NA
Fluorene	1.5		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	54		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	50		0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran	2.0	J	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene	0.85		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.12	J	0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	5.6	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	1.2	J	10	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	1.3	J *+ J	10	0.76	ug/L	1		8270E	Total/NA
Nitrobenzene	2.4	J	10	0.60	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	110		100	23	ug/L	5		8270E	Total/NA
Phenol - DL2	490		200	14	ug/L	20		8270E	Total/NA

Client Sample ID: P58-ROX-071425-DUP — Lab Sample ID: 400-279181-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	630	J	1000	500	ug/L	1000		8260D	Total/NA
Benzene - DL	350000		5000	2500	ug/L	5000		8260D	Total/NA
Acenaphthene	0.73		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.21		0.20	0.047	ug/L	1		8270E	Total/NA
Chrysene	0.094	J	0.20	0.039	ug/L	1		8270E	Total/NA
Fluorene	1.4		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	55		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	50		0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran	2.0	J	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene	0.80		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.099	J	0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	5.3	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	1.3	J	10	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	1.1	J *+ J	10	0.76	ug/L	1		8270E	Total/NA
Nitrobenzene	2.4	J	10	0.60	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	130		100	23	ug/L	5		8270E	Total/NA
Phenol - DL2	500		200	14	ug/L	20		8270E	Total/NA

Client Sample ID: P93B-ROX-071425 — Lab Sample ID: 400-279181-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	930000		10000	5000	ug/L	10000		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P93B-ROX-071425 (Continued)

Lab Sample ID: 400-279181-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.30		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.19	J	0.20	0.075	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	3.2	J	9.8	0.24	ug/L	1		8270E	Total/NA
Indene	0.60	J	9.8	0.43	ug/L	1		8270E	Total/NA
Phenol - DL	260		200	13	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: TB-ROX-071425-8260
Date Collected: 07/14/25 00:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/19/25 15:56	1
Acrolein	ND		20	3.3	ug/L			07/19/25 15:56	1
Acrylonitrile	ND		10	2.8	ug/L			07/19/25 15:56	1
Benzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Bromobenzene	ND		1.0	0.54	ug/L			07/19/25 15:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/19/25 15:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Bromoform	ND		5.0	0.25	ug/L			07/19/25 15:56	1
Bromomethane	ND		1.0	0.98	ug/L			07/19/25 15:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/19/25 15:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/19/25 15:56	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/19/25 15:56	1
Chloroethane	ND		1.0	0.76	ug/L			07/19/25 15:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/19/25 15:56	1
Chloroform	ND		1.0	0.90	ug/L			07/19/25 15:56	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/19/25 15:56	1
Chloromethane	ND		1.0	0.40	ug/L			07/19/25 15:56	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/19/25 15:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/19/25 15:56	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/19/25 15:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/19/25 15:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/19/25 15:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/19/25 15:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/19/25 15:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/19/25 15:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/19/25 15:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/19/25 15:56	1
2-Hexanone	ND		25	4.3	ug/L			07/19/25 15:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/19/25 15:56	1
Methylene bromide	ND		5.0	0.22	ug/L			07/19/25 15:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/19/25 15:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/19/25 15:56	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/19/25 15:56	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
Naphthalene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/19/25 15:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/19/25 15:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/19/25 15:56	1
o-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/19/25 15:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/19/25 15:56	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: TB-ROX-071425-8260
Date Collected: 07/14/25 00:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/19/25 15:56	1
Styrene	ND		1.0	1.0	ug/L			07/19/25 15:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/19/25 15:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/19/25 15:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/19/25 15:56	1
Toluene	ND		1.0	0.90	ug/L			07/19/25 15:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/19/25 15:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/19/25 15:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/19/25 15:56	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/19/25 15:56	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/19/25 15:56	1
Trichloroethene	ND		1.0	0.15	ug/L			07/19/25 15:56	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/19/25 15:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/19/25 15:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/19/25 15:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/19/25 15:56	1
Vinyl acetate	ND		25	0.93	ug/L			07/19/25 15:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Xylenes, Total	ND		10	6.0	ug/L			07/19/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/19/25 15:56*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 15:56*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/19/25 15:56*	*1*

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071425-8260SIM
Lab Sample ID: 400-279181-2
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 10:05

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/18/25 09:33	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/18/25 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/18/25 09:33*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/18/25 09:33*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/18/25 09:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	5.0	4.0	ug/L			07/21/25 15:27	250
1,2-Dibromoethane	ND	UJ	5.0	2.5	ug/L			07/21/25 15:27	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/21/25 15:27*	*250*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/21/25 15:27*	*250*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/21/25 15:27*	*250*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			07/19/25 20:06	1000
Acrolein	ND		20000	3300	ug/L			07/19/25 20:06	1000
Acrylonitrile	ND		10000	2800	ug/L			07/19/25 20:06	1000
Bromobenzene	ND		1000	540	ug/L			07/19/25 20:06	1000
Bromochloromethane	ND		1000	520	ug/L			07/19/25 20:06	1000
Bromodichloromethane	ND		1000	500	ug/L			07/19/25 20:06	1000
Bromoform	ND		5000	250	ug/L			07/19/25 20:06	1000
Bromomethane	ND		1000	980	ug/L			07/19/25 20:06	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			07/19/25 20:06	1000
Carbon disulfide	ND		1000	500	ug/L			07/19/25 20:06	1000
Carbon tetrachloride	ND		1000	190	ug/L			07/19/25 20:06	1000
Chlorobenzene	ND		1000	420	ug/L			07/19/25 20:06	1000
Chloroethane	ND		1000	760	ug/L			07/19/25 20:06	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			07/19/25 20:06	1000
Chloroform	ND		1000	900	ug/L			07/19/25 20:06	1000
1-Chlorohexane	ND		1000	320	ug/L			07/19/25 20:06	1000
Chloromethane	ND		1000	400	ug/L			07/19/25 20:06	1000
cis-1,2-Dichloroethene	ND		1000	200	ug/L			07/19/25 20:06	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			07/19/25 20:06	1000
Dibromochloromethane	ND		1000	240	ug/L			07/19/25 20:06	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			07/19/25 20:06	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			07/19/25 20:06	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			07/19/25 20:06	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			07/19/25 20:06	1000
1,1-Dichloroethane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,2-Dichloroethane	ND		1000	550	ug/L			07/19/25 20:06	1000
1,1-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:06	1000
1,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,3-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
2,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,1-Dichloropropene	ND		1000	90	ug/L			07/19/25 20:06	1000
Ethylbenzene	**660**	**J**	1000	500	ug/L			07/19/25 20:06	1000
Ethyl methacrylate	ND		1000	600	ug/L			07/19/25 20:06	1000
Hexachlorobutadiene	ND		5000	900	ug/L			07/19/25 20:06	1000
2-Hexanone	ND		25000	4300	ug/L			07/19/25 20:06	1000
Isopropylbenzene	ND		1000	530	ug/L			07/19/25 20:06	1000
Methylene bromide	ND		5000	220	ug/L			07/19/25 20:06	1000
Methylene Chloride	ND		5000	3000	ug/L			07/19/25 20:06	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			07/19/25 20:06	1000
Methyl tert-butyl ether	ND		1000	220	ug/L			07/19/25 20:06	1000

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5000	3000	ug/L			07/19/25 20:06	1000
Naphthalene	ND		5000	3000	ug/L			07/19/25 20:06	1000
n-Butylbenzene	ND		1000	760	ug/L			07/19/25 20:06	1000
N-Propylbenzene	ND		1000	690	ug/L			07/19/25 20:06	1000
o-Chlorotoluene	ND		1000	570	ug/L			07/19/25 20:06	1000
o-Xylene	ND		5000	3000	ug/L			07/19/25 20:06	1000
p-Chlorotoluene	ND		1000	560	ug/L			07/19/25 20:06	1000
p-Isopropyltoluene	ND		1000	710	ug/L			07/19/25 20:06	1000
sec-Butylbenzene	ND		1000	700	ug/L			07/19/25 20:06	1000
Styrene	ND		1000	1000	ug/L			07/19/25 20:06	1000
tert-Butylbenzene	ND		1000	630	ug/L			07/19/25 20:06	1000
1,1,1,2-Tetrachloroethane	ND		1000	380	ug/L			07/19/25 20:06	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			07/19/25 20:06	1000
Tetrachloroethene	ND		1000	330	ug/L			07/19/25 20:06	1000
Toluene	ND		1000	900	ug/L			07/19/25 20:06	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:06	1000
trans-1,3-Dichloropropene	ND		5000	200	ug/L			07/19/25 20:06	1000
1,2,3-Trichlorobenzene	ND		1000	900	ug/L			07/19/25 20:06	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			07/19/25 20:06	1000
1,1,1-Trichloroethane	ND		1000	180	ug/L			07/19/25 20:06	1000
1,1,2-Trichloroethane	ND		5000	210	ug/L			07/19/25 20:06	1000
Trichloroethene	ND		1000	150	ug/L			07/19/25 20:06	1000
Trichlorofluoromethane	ND		1000	250	ug/L			07/19/25 20:06	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			07/19/25 20:06	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			07/19/25 20:06	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			07/19/25 20:06	1000
Vinyl acetate	ND		25000	930	ug/L			07/19/25 20:06	1000
Vinyl chloride	ND		1000	500	ug/L			07/19/25 20:06	1000
Xylenes, Total	ND		10000	6000	ug/L			07/19/25 20:06	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:06*	*1000*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 20:06*	*1000*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/19/25 20:06*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**390000**		5000	2500	ug/L			07/22/25 20:42	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*07/22/25 20:42*	*5000*
Dibromofluoromethane	*103*		*79 - 130*		*07/22/25 20:42*	*5000*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/22/25 20:42*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.76**		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 15:27	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 15:27	1
Acenaphthylene	**0.20**		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 15:27	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[a]anthracene	**0.044**	**J**	0.20	0.040	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[a]pyrene	**0.052**	**J**	0.20	0.045	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 15:27	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 15:27	1
Chrysene	**0.10**	**J**	0.20	0.039	ug/L		07/18/25 07:00	07/23/25 15:27	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 15:27	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 15:27	1
Fluorene	**1.5**		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 15:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 15:27	1
1-Methylnaphthalene	**54**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Methylnaphthalene	**50**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenzofuran	**2.0**	**J**	10	0.64	ug/L		07/18/25 07:00	07/23/25 15:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 15:27	1
Phenanthrene	**0.85**		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pyrene	**0.12**	**J**	0.20	0.095	ug/L		07/18/25 07:00	07/23/25 15:27	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dimethylphenol	**5.6**	**J**	10	0.24	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 15:27	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 15:27	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 15:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 15:27	1
Indene	**1.2**	**J**	10	0.44	ug/L		07/18/25 07:00	07/23/25 15:27	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Methylphenol	**1.3**	**J *+ J**	10	0.76	ug/L		07/18/25 07:00	07/23/25 15:27	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 15:27	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 15:27	1
Nitrobenzene	**2.4**	**J**	10	0.60	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2-Fluorophenol	*104*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Nitrobenzene-d5	*96*		*22 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Phenol-d5	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2,4,6-Tribromophenol	*118*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**110**		100	23	ug/L		07/18/25 07:00	07/24/25 14:10	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**490**		200	14	ug/L		07/18/25 07:00	07/24/25 14:47	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	5.0	4.0	ug/L			07/21/25 15:50	250
1,2-Dibromoethane	ND	UJ	5.0	2.5	ug/L			07/21/25 15:50	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/21/25 15:50*	*250*
Toluene-d8 (Surr)	*101*		*50 - 150*		*07/21/25 15:50*	*250*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/21/25 15:50*	*250*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			07/19/25 20:27	1000
Acrolein	ND		20000	3300	ug/L			07/19/25 20:27	1000
Acrylonitrile	ND		10000	2800	ug/L			07/19/25 20:27	1000
Bromobenzene	ND		1000	540	ug/L			07/19/25 20:27	1000
Bromochloromethane	ND		1000	520	ug/L			07/19/25 20:27	1000
Bromodichloromethane	ND		1000	500	ug/L			07/19/25 20:27	1000
Bromoform	ND		5000	250	ug/L			07/19/25 20:27	1000
Bromomethane	ND		1000	980	ug/L			07/19/25 20:27	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			07/19/25 20:27	1000
Carbon disulfide	ND		1000	500	ug/L			07/19/25 20:27	1000
Carbon tetrachloride	ND		1000	190	ug/L			07/19/25 20:27	1000
Chlorobenzene	ND		1000	420	ug/L			07/19/25 20:27	1000
Chloroethane	ND		1000	760	ug/L			07/19/25 20:27	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			07/19/25 20:27	1000
Chloroform	ND		1000	900	ug/L			07/19/25 20:27	1000
1-Chlorohexane	ND		1000	320	ug/L			07/19/25 20:27	1000
Chloromethane	ND		1000	400	ug/L			07/19/25 20:27	1000
cis-1,2-Dichloroethene	ND		1000	200	ug/L			07/19/25 20:27	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			07/19/25 20:27	1000
Dibromochloromethane	ND		1000	240	ug/L			07/19/25 20:27	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			07/19/25 20:27	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			07/19/25 20:27	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			07/19/25 20:27	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			07/19/25 20:27	1000
1,1-Dichloroethane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,2-Dichloroethane	ND		1000	550	ug/L			07/19/25 20:27	1000
1,1-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:27	1000
1,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,3-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
2,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,1-Dichloropropene	ND		1000	90	ug/L			07/19/25 20:27	1000
Ethylbenzene	**630**	**J**	1000	500	ug/L			07/19/25 20:27	1000
Ethyl methacrylate	ND		1000	600	ug/L			07/19/25 20:27	1000
Hexachlorobutadiene	ND		5000	900	ug/L			07/19/25 20:27	1000
2-Hexanone	ND		25000	4300	ug/L			07/19/25 20:27	1000
Isopropylbenzene	ND		1000	530	ug/L			07/19/25 20:27	1000
Methylene bromide	ND		5000	220	ug/L			07/19/25 20:27	1000
Methylene Chloride	ND		5000	3000	ug/L			07/19/25 20:27	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			07/19/25 20:27	1000
Methyl tert-butyl ether	ND		1000	220	ug/L			07/19/25 20:27	1000

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5000	3000	ug/L			07/19/25 20:27	1000
Naphthalene	ND		5000	3000	ug/L			07/19/25 20:27	1000
n-Butylbenzene	ND		1000	760	ug/L			07/19/25 20:27	1000
N-Propylbenzene	ND		1000	690	ug/L			07/19/25 20:27	1000
o-Chlorotoluene	ND		1000	570	ug/L			07/19/25 20:27	1000
o-Xylene	ND		5000	3000	ug/L			07/19/25 20:27	1000
p-Chlorotoluene	ND		1000	560	ug/L			07/19/25 20:27	1000
p-Isopropyltoluene	ND		1000	710	ug/L			07/19/25 20:27	1000
sec-Butylbenzene	ND		1000	700	ug/L			07/19/25 20:27	1000
Styrene	ND		1000	1000	ug/L			07/19/25 20:27	1000
tert-Butylbenzene	ND		1000	630	ug/L			07/19/25 20:27	1000
1,1,1,2-Tetrachloroethane	ND		1000	380	ug/L			07/19/25 20:27	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			07/19/25 20:27	1000
Tetrachloroethene	ND		1000	330	ug/L			07/19/25 20:27	1000
Toluene	ND		1000	900	ug/L			07/19/25 20:27	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:27	1000
trans-1,3-Dichloropropene	ND		5000	200	ug/L			07/19/25 20:27	1000
1,2,3-Trichlorobenzene	ND		1000	900	ug/L			07/19/25 20:27	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			07/19/25 20:27	1000
1,1,1-Trichloroethane	ND		1000	180	ug/L			07/19/25 20:27	1000
1,1,2-Trichloroethane	ND		5000	210	ug/L			07/19/25 20:27	1000
Trichloroethene	ND		1000	150	ug/L			07/19/25 20:27	1000
Trichlorofluoromethane	ND		1000	250	ug/L			07/19/25 20:27	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			07/19/25 20:27	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			07/19/25 20:27	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			07/19/25 20:27	1000
Vinyl acetate	ND		25000	930	ug/L			07/19/25 20:27	1000
Vinyl chloride	ND		1000	500	ug/L			07/19/25 20:27	1000
Xylenes, Total	ND		10000	6000	ug/L			07/19/25 20:27	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:27*	*1000*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 20:27*	*1000*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/19/25 20:27*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350000**		5000	2500	ug/L			07/22/25 21:03	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/22/25 21:03*	*5000*
Dibromofluoromethane	*103*		*79 - 130*		*07/22/25 21:03*	*5000*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/22/25 21:03*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.73**		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 16:04	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 16:04	1
Acenaphthylene	**0.21**		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 16:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 16:04	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 16:04	1
Chrysene	**0.094**	**J**	0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:04	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 16:04	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 16:04	1
Fluorene	**1.4**		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 16:04	1
1-Methylnaphthalene	**55**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Methylnaphthalene	**50**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenzofuran	**2.0**	**J**	10	0.64	ug/L		07/18/25 07:00	07/23/25 16:04	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 16:04	1
Phenanthrene	**0.80**		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pyrene	**0.099**	**J**	0.20	0.095	ug/L		07/18/25 07:00	07/23/25 16:04	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dimethylphenol	**5.3**	**J**	10	0.24	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 16:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 16:04	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 16:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 16:04	1
Indene	**1.3**	**J**	10	0.44	ug/L		07/18/25 07:00	07/23/25 16:04	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Methylphenol	**1.1**	**J *+** J	10	0.76	ug/L		07/18/25 07:00	07/23/25 16:04	1

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 16:04	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 16:04	1
Nitrobenzene	**2.4**	**J**	10	0.60	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Terphenyl-d14	*57*		*43 - 147*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2-Fluorophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Phenol-d5	*100*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Terphenyl-d14	*57*		*28 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2,4,6-Tribromophenol	*115*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**130**		100	23	ug/L		07/18/25 07:00	07/24/25 15:24	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**500**		200	14	ug/L		07/18/25 07:00	07/24/25 16:01	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P93B-ROX-071425

Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	20	16	ug/L			07/21/25 16:14	1000
1,2-Dibromoethane	ND	UJ	20	10	ug/L			07/21/25 16:14	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/21/25 16:14*	*1000*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/21/25 16:14*	*1000*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/21/25 16:14*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	130000	50000	ug/L			07/19/25 20:48	5000
Acrolein	ND	UJ	100000	17000	ug/L			07/19/25 20:48	5000
Acrylonitrile	ND	UJ	50000	14000	ug/L			07/19/25 20:48	5000
Bromobenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
Bromochloromethane	ND	UJ	5000	2600	ug/L			07/19/25 20:48	5000
Bromodichloromethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Bromoform	ND	UJ	25000	1300	ug/L			07/19/25 20:48	5000
Bromomethane	ND	UJ	5000	4900	ug/L			07/19/25 20:48	5000
2-Butanone (MEK)	ND	UJ	130000	13000	ug/L			07/19/25 20:48	5000
Carbon disulfide	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Carbon tetrachloride	ND	UJ	5000	950	ug/L			07/19/25 20:48	5000
Chlorobenzene	ND	UJ	5000	2100	ug/L			07/19/25 20:48	5000
Chloroethane	ND	UJ	5000	3800	ug/L			07/19/25 20:48	5000
2-Chloroethyl vinyl ether	ND	UJ	25000	10000	ug/L			07/19/25 20:48	5000
Chloroform	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
1-Chlorohexane	ND	UJ	5000	1600	ug/L			07/19/25 20:48	5000
Chloromethane	ND	UJ	5000	2000	ug/L			07/19/25 20:48	5000
cis-1,2-Dichloroethene	ND	UJ	5000	1000	ug/L			07/19/25 20:48	5000
cis-1,3-Dichloropropene	ND	UJ	25000	2500	ug/L			07/19/25 20:48	5000
Dibromochloromethane	ND	UJ	5000	1200	ug/L			07/19/25 20:48	5000
1,2-Dichlorobenzene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,3-Dichlorobenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
1,4-Dichlorobenzene	ND	UJ	5000	3200	ug/L			07/19/25 20:48	5000
Dichlorodifluoromethane	ND	UJ	5000	4300	ug/L			07/19/25 20:48	5000
1,1-Dichloroethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,2-Dichloroethane	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
1,1-Dichloroethene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,2-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,3-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
2,2-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,1-Dichloropropene	ND	UJ	5000	450	ug/L			07/19/25 20:48	5000
Ethylbenzene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Ethyl methacrylate	ND	UJ	5000	3000	ug/L			07/19/25 20:48	5000
Hexachlorobutadiene	ND	UJ	25000	4500	ug/L			07/19/25 20:48	5000
2-Hexanone	ND	UJ	130000	21000	ug/L			07/19/25 20:48	5000
Isopropylbenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
Methylene bromide	ND	UJ	25000	1100	ug/L			07/19/25 20:48	5000
Methylene Chloride	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
4-Methyl-2-pentanone (MIBK)	ND	UJ	130000	9000	ug/L			07/19/25 20:48	5000
Methyl tert-butyl ether	ND	UJ	5000	1100	ug/L			07/19/25 20:48	5000

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
Naphthalene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
n-Butylbenzene	ND	UJ	5000	3800	ug/L			07/19/25 20:48	5000
N-Propylbenzene	ND	UJ	5000	3500	ug/L			07/19/25 20:48	5000
o-Chlorotoluene	ND	UJ	5000	2900	ug/L			07/19/25 20:48	5000
o-Xylene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
p-Chlorotoluene	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
p-Isopropyltoluene	ND	UJ	5000	3600	ug/L			07/19/25 20:48	5000
sec-Butylbenzene	ND	UJ	5000	3500	ug/L			07/19/25 20:48	5000
Styrene	ND	UJ	5000	5000	ug/L			07/19/25 20:48	5000
tert-Butylbenzene	ND	UJ	5000	3200	ug/L			07/19/25 20:48	5000
1,1,1,2-Tetrachloroethane	ND	UJ	5000	1900	ug/L			07/19/25 20:48	5000
1,1,2,2-Tetrachloroethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Tetrachloroethene	ND	UJ	5000	1700	ug/L			07/19/25 20:48	5000
Toluene	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
trans-1,2-Dichloroethene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
trans-1,3-Dichloropropene	ND	UJ	25000	1000	ug/L			07/19/25 20:48	5000
1,2,3-Trichlorobenzene	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
1,2,4-Trichlorobenzene	ND	UJ	5000	4100	ug/L			07/19/25 20:48	5000
1,1,1-Trichloroethane	ND	UJ	5000	900	ug/L			07/19/25 20:48	5000
1,1,2-Trichloroethane	ND	UJ	25000	1100	ug/L			07/19/25 20:48	5000
Trichloroethene	ND	UJ	5000	750	ug/L			07/19/25 20:48	5000
Trichlorofluoromethane	ND	UJ	5000	1300	ug/L			07/19/25 20:48	5000
1,2,3-Trichloropropane	ND	UJ	25000	4200	ug/L			07/19/25 20:48	5000
1,2,4-Trimethylbenzene	ND	UJ	5000	4100	ug/L			07/19/25 20:48	5000
1,3,5-Trimethylbenzene	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
Vinyl acetate	ND	UJ	130000	4700	ug/L			07/19/25 20:48	5000
Vinyl chloride	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Xylenes, Total	ND	UJ	50000	30000	ug/L			07/19/25 20:48	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:48*	*5000*
Dibromofluoromethane	*105*		*79 - 130*		*07/19/25 20:48*	*5000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/19/25 20:48*	*5000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**930000**		10000	5000	ug/L			07/22/25 21:23	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/22/25 21:23*	*10000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 21:23*	*10000*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/22/25 21:23*	*10000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.083	ug/L		07/18/25 07:00	07/23/25 16:40	1
Aniline	ND		9.8	0.73	ug/L		07/18/25 07:00	07/23/25 16:40	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzenethiol	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 16:40	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzoic acid	ND	*1	98	78	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzyl alcohol	ND		34	29	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-chloroethoxy)methane	ND	*+	9.8	0.33	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 16:40	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/18/25 07:00	07/23/25 16:40	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 16:40	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chloroaniline	ND		9.8	0.57	ug/L		07/18/25 07:00	07/23/25 16:40	1
Fluoranthene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 16:40	1
Fluorene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Chlorophenol	ND		9.8	0.82	ug/L		07/18/25 07:00	07/23/25 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 16:40	1
1-Methylnaphthalene	**0.30**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chlorophenyl phenyl ether	ND	*+	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Methylnaphthalene	**0.19**	**J**	0.20	0.075	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/18/25 07:00	07/23/25 16:40	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 16:40	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pyrene	ND		0.20	0.093	ug/L		07/18/25 07:00	07/23/25 16:40	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dimethylphenol	**3.2**	**J**	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Di-n-butyl phthalate	ND		9.8	8.0	ug/L		07/18/25 07:00	07/23/25 16:40	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		07/18/25 07:00	07/23/25 16:40	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/18/25 07:00	07/23/25 16:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachlorobenzene	ND	*+	9.8	0.25	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/18/25 07:00	07/23/25 16:40	1
Indene	**0.60**	**J**	9.8	0.43	ug/L		07/18/25 07:00	07/23/25 16:40	1
Isophorone	ND		9.8	0.78	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/18/25 07:00	07/23/25 16:40	1

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/18/25 07:00	07/23/25 16:40	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/18/25 07:00	07/23/25 16:40	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Nitrophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Nitrophenol	ND	*+	9.8	2.7	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pentachlorophenol	ND		9.8	2.7	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pyridine	ND	UJ	9.8	2.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Quinoline	ND		9.8	0.49	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2-Fluorophenol	*108*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Phenol-d5	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**260**		200	13	ug/L		07/18/25 07:00	07/24/25 16:38	20

Definitions/Glossary

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279181-1	TB-ROX-071425-8260	101	103	99
400-279181-3	P58-ROX-071425	99	103	99
400-279181-3 - DL	P58-ROX-071425	95	103	102
400-279181-4	P58-ROX-071425-DUP	99	103	96
400-279181-4 - DL	P58-ROX-071425-DUP	97	103	103
400-279181-5	P93B-ROX-071425	99	105	100
400-279181-5 - DL	P93B-ROX-071425	97	102	102
LCS 400-716612/1002	Lab Control Sample	99	101	99
LCS 400-716790/1002	Lab Control Sample	106	93	101
MB 400-716612/5	Method Blank	103	103	100
MB 400-716790/4	Method Blank	96	104	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279181-2	TB-ROX-071425-8260SIM	104	98	105
400-279181-3	P58-ROX-071425	93	99	100
400-279181-4	P58-ROX-071425-DUP	94	101	102
400-279181-5	P93B-ROX-071425	95	97	98
LCS 400-716452/1004	Lab Control Sample	94	100	106
LCS 400-716688/1004	Lab Control Sample	95	102	103
MB 400-716452/6	Method Blank	103	98	105
MB 400-716688/6	Method Blank	101	99	102

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-279181-3	P58-ROX-071425	77	96	60	77	104	96	101	60
400-279181-4	P58-ROX-071425-DUP	72	92	57	72	103	92	100	57
400-279181-5	P93B-ROX-071425	79	102	65	79	108	102	103	65
LCS 400-716503/49-A	Lab Control Sample				91	108	101	107	91
LCSD 400-716503/50-A	Lab Control Sample Dup				100	112	109	110	101

Surrogate Summary

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-279181-3	P58-ROX-071425	118							
400-279181-4	P58-ROX-071425-DUP	115							
400-279181-5	P93B-ROX-071425	103							
LCS 400-716503/49-A	Lab Control Sample	97							
LCSD 400-716503/50-A	Lab Control Sample Dup	97							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-716503/2-A	Lab Control Sample	89	102	94	89	119	102	126	94
LCSD 400-716503/3-A	Lab Control Sample Dup	92	107	97	92	127	107	136	97
MB 400-716503/1-A	Method Blank	95	110	90	95	97	110	83	90

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
LCS 400-716503/2-A	Lab Control Sample	107							
LCSD 400-716503/3-A	Lab Control Sample Dup	113							
MB 400-716503/1-A	Method Blank	103							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071425-8260
Lab Sample ID: 400-279181-1
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716612	07/19/25 15:56	BPO	EET PEN

Client Sample ID: TB-ROX-071425-8260SIM
Lab Sample ID: 400-279181-2
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716452	07/18/25 09:33	NMB	EET PEN

Client Sample ID: P58-ROX-071425
Lab Sample ID: 400-279181-3
Date Collected: 07/14/25 10:00
Matrix: Water
Date Received: 07/15/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1000	5 mL	5 mL	716612	07/19/25 20:06	BPO	EET PEN
Total/NA	Analysis	8260D	DL	5000	5 mL	5 mL	716790	07/22/25 20:42	CAR	EET PEN
Total/NA	Analysis	8260D SIM		250	5 mL	5 mL	716688	07/21/25 15:27	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716958	07/23/25 15:27	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716959	07/23/25 15:27	JAW	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717087	07/24/25 14:10	S1B	EET PEN
Total/NA	Prep	3511	DL2		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 14:47	S1B	EET PEN

Client Sample ID: P58-ROX-071425-DUP
Lab Sample ID: 400-279181-4
Date Collected: 07/14/25 10:00
Matrix: Water
Date Received: 07/15/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1000	5 mL	5 mL	716612	07/19/25 20:27	BPO	EET PEN
Total/NA	Analysis	8260D	DL	5000	5 mL	5 mL	716790	07/22/25 21:03	CAR	EET PEN
Total/NA	Analysis	8260D SIM		250	5 mL	5 mL	716688	07/21/25 15:50	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716958	07/23/25 16:04	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716959	07/23/25 16:04	JAW	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717087	07/24/25 15:24	S1B	EET PEN
Total/NA	Prep	3511	DL2		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 16:01	S1B	EET PEN

Client Sample ID: P93B-ROX-071425
Lab Sample ID: 400-279181-5
Date Collected: 07/14/25 11:35
Matrix: Water
Date Received: 07/15/25 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5000	5 mL	5 mL	716612	07/19/25 20:48	BPO	EET PEN
Total/NA	Analysis	8260D	DL	10000	5 mL	5 mL	716790	07/22/25 21:23	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1000	5 mL	5 mL	716688	07/21/25 16:14	NMB	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 16:40	JAW	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 16:40	JAW	EET PEN
Total/NA	Prep	3511	DL		30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			717087	07/24/25 16:38	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716452/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716452	07/18/25 09:10	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716503/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716612/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716612	07/19/25 15:14	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716688/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716688	07/21/25 13:06	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716790/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716790	07/22/25 11:53	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716452/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716452	07/18/25 07:56	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/49-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:49	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716612/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716612	07/19/25 10:59	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716688/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716688	07/21/25 12:05	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716790/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716790	07/22/25 10:56	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:13	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 20:13	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/50-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 21:24	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

GC/MS VOA

Analysis Batch: 716452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-2	TB-ROX-071425-8260SIM	Total/NA	Water	8260D SIM	
MB 400-716452/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716452/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-1	TB-ROX-071425-8260	Total/NA	Water	8260D	
400-279181-3	P58-ROX-071425	Total/NA	Water	8260D	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8260D	
400-279181-5	P93B-ROX-071425	Total/NA	Water	8260D	
MB 400-716612/5	Method Blank	Total/NA	Water	8260D	
LCS 400-716612/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8260D SIM	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8260D SIM	
400-279181-5	P93B-ROX-071425	Total/NA	Water	8260D SIM	
MB 400-716688/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716688/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	8260D	
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	8260D	
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	8260D	
MB 400-716790/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716790/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	3511	
400-279181-3 - DL2	P58-ROX-071425	Total/NA	Water	3511	
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	3511	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-4 - DL2	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-5	P93B-ROX-071425	Total/NA	Water	3511	
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	3511	
MB 400-716503/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503

GC/MS Semi VOA (Continued)

Analysis Batch: 716600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5	P93B-ROX-071425	Total/NA	Water	8270E	716503

Analysis Batch: 716959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5	P93B-ROX-071425	Total/NA	Water	8270E	716503

Analysis Batch: 717087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-3 - DL2	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-4 - DL2	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	8270E	716503

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716612/5
Matrix: Water
Analysis Batch: 716612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/19/25 15:14	1
Acrolein	ND		20	3.3	ug/L			07/19/25 15:14	1
Acrylonitrile	ND		10	2.8	ug/L			07/19/25 15:14	1
Benzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/19/25 15:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/19/25 15:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Bromoform	ND		5.0	0.25	ug/L			07/19/25 15:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/19/25 15:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/19/25 15:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/19/25 15:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/19/25 15:14	1
Chloroethane	ND		1.0	0.76	ug/L			07/19/25 15:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/19/25 15:14	1
Chloroform	ND		1.0	0.90	ug/L			07/19/25 15:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/19/25 15:14	1
Chloromethane	ND		1.0	0.40	ug/L			07/19/25 15:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/19/25 15:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/19/25 15:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/19/25 15:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/19/25 15:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/19/25 15:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/19/25 15:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/19/25 15:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/19/25 15:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/19/25 15:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/19/25 15:14	1
2-Hexanone	ND		25	4.3	ug/L			07/19/25 15:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/19/25 15:14	1
Methylene bromide	ND		5.0	0.22	ug/L			07/19/25 15:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/19/25 15:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/19/25 15:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/19/25 15:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
Naphthalene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/19/25 15:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/19/25 15:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/19/25 15:14	1
o-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/19/25 15:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716612/5
Matrix: Water
Analysis Batch: 716612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/19/25 15:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/19/25 15:14	1
Styrene	ND		1.0	1.0	ug/L			07/19/25 15:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/19/25 15:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/19/25 15:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/19/25 15:14	1
Toluene	ND		1.0	0.90	ug/L			07/19/25 15:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/19/25 15:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/19/25 15:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/19/25 15:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/19/25 15:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/19/25 15:14	1
Trichloroethene	ND		1.0	0.15	ug/L			07/19/25 15:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/19/25 15:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/19/25 15:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/19/25 15:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/19/25 15:14	1
Vinyl acetate	ND		25	0.93	ug/L			07/19/25 15:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Xylenes, Total	ND		10	6.0	ug/L			07/19/25 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/19/25 15:14*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 15:14*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/19/25 15:14*	*1*

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	284		ug/L		142	43 - 150
Acrolein	500	589		ug/L		118	38 - 150
Acrylonitrile	500	553		ug/L		111	64 - 142
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromobenzene	50.0	53.7		ug/L		107	70 - 132
Bromochloromethane	50.0	50.2		ug/L		100	70 - 130
Bromodichloromethane	50.0	52.4		ug/L		105	67 - 133
Bromoform	50.0	55.4		ug/L		111	57 - 140
Bromomethane	50.0	39.8		ug/L		80	10 - 150
2-Butanone (MEK)	200	236		ug/L		118	61 - 145
Carbon disulfide	50.0	45.0		ug/L		90	61 - 137
Carbon tetrachloride	50.0	50.0		ug/L		100	61 - 137
Chlorobenzene	50.0	51.7		ug/L		103	70 - 130
Chloroethane	50.0	55.5		ug/L		111	55 - 141
2-Chloroethyl vinyl ether	50.0	56.5		ug/L		113	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	51.0		ug/L		102	69 - 130
1-Chlorohexane	50.0	61.4		ug/L		123	69 - 130
Chloromethane	50.0	44.6		ug/L		89	58 - 137
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	55.6		ug/L		111	69 - 132
Dibromochloromethane	50.0	54.3		ug/L		109	67 - 135
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	33.7		ug/L		67	41 - 146
1,1-Dichloroethane	50.0	53.6		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	51.8		ug/L		104	69 - 130
1,1-Dichloroethene	50.0	48.7		ug/L		97	63 - 134
1,2-Dichloropropane	50.0	57.3		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	55.2		ug/L		110	70 - 130
2,2-Dichloropropane	50.0	54.4		ug/L		109	52 - 135
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130
Ethyl methacrylate	50.0	54.0		ug/L		108	68 - 130
Hexachlorobutadiene	50.0	51.3		ug/L		103	53 - 140
2-Hexanone	200	263		ug/L		132	65 - 137
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 130
Methylene bromide	50.0	52.6		ug/L		105	70 - 130
Methylene Chloride	50.0	48.7		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	242		ug/L		121	69 - 138
Methyl tert-butyl ether	50.0	51.1		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.6		ug/L		101	70 - 130
Naphthalene	50.0	53.6		ug/L		107	47 - 149
n-Butylbenzene	50.0	53.7		ug/L		107	67 - 130
N-Propylbenzene	50.0	51.7		ug/L		103	70 - 130
o-Chlorotoluene	50.0	52.7		ug/L		105	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
p-Chlorotoluene	50.0	52.0		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	51.9		ug/L		104	65 - 130
sec-Butylbenzene	50.0	52.3		ug/L		105	66 - 130
Styrene	50.0	52.1		ug/L		104	70 - 130
tert-Butylbenzene	50.0	51.1		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/L		110	70 - 131
Tetrachloroethene	50.0	47.2		ug/L		94	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	56.7		ug/L		113	63 - 130
1,2,3-Trichlorobenzene	50.0	55.0		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	52.5		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	49.0		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	56.5		ug/L		113	70 - 130
Trichloroethene	50.0	50.2		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	50.6		ug/L		101	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	50.7		ug/L		101	69 - 130
Vinyl acetate	100	122		ug/L		122	26 - 150
Vinyl chloride	50.0	54.8		ug/L		110	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 11:53*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/22/25 11:53*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/22/25 11:53*	*1*

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	50.2		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-716452/6
Matrix: Water
Analysis Batch: 716452

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/18/25 09:10	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/18/25 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/18/25 09:10*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-716452/6
Matrix: Water
Analysis Batch: 716452

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 150		07/18/25 09:10	1
4-Bromofluorobenzene	105		50 - 150		07/18/25 09:10	1

Lab Sample ID: LCS 400-716452/1004
Matrix: Water
Analysis Batch: 716452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.415		ug/L		83	50 - 150
1,2-Dibromoethane	0.500	0.472		ug/L		94	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	94		50 - 150
Toluene-d8 (Surr)	100		50 - 150
4-Bromofluorobenzene	106		50 - 150

Lab Sample ID: MB 400-716688/6
Matrix: Water
Analysis Batch: 716688

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/21/25 13:06	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/21/25 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		50 - 150		07/21/25 13:06	1
Toluene-d8 (Surr)	99		50 - 150		07/21/25 13:06	1
4-Bromofluorobenzene	102		50 - 150		07/21/25 13:06	1

Lab Sample ID: LCS 400-716688/1004
Matrix: Water
Analysis Batch: 716688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.444		ug/L		89	50 - 150
1,2-Dibromoethane	0.500	0.485		ug/L		97	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	95		50 - 150
Toluene-d8 (Surr)	102		50 - 150
4-Bromofluorobenzene	103		50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/19/25 19:02	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/19/25 19:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzoic acid	ND		100	80	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/19/25 19:02	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/19/25 19:02	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/19/25 19:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/19/25 19:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/19/25 19:02	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/18/25 07:00	07/19/25 19:02	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/19/25 19:02	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylphenol	ND		10	0.76	ug/L		07/18/25 07:00	07/19/25 19:02	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/19/25 19:02	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/19/25 19:02	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitrophenol	ND		10	2.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/19/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*43 - 147*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorophenol	*97*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*22 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Phenol-d5	*83*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*28 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.2		ug/L		106	29 - 150
Aniline	33.3	40.9		ug/L		123	10 - 134
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	39.3		ug/L		118	31 - 150
Benzoic acid	214	ND		ug/L		25	10 - 180
Benzo[a]anthracene	33.3	38.8		ug/L		116	36 - 150
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Benzo[a]pyrene	33.3	39.3		ug/L		118	29 - 150
Bis(2-chloroethoxy)methane	33.3	41.2	*+	ug/L		124	34 - 120
Benzo[b]fluoranthene	33.3	42.4		ug/L		127	32 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	33.3	36.4		ug/L		109	32 - 114
Benzo[g,h,i]perylene	33.3	39.0		ug/L		117	28 - 150
bis (2-chloroisopropyl) ether	33.3	35.7		ug/L		107	32 - 115
Benzo[k]fluoranthene	33.3	38.7		ug/L		116	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	44.2		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	36.4		ug/L		109	24 - 120
Chrysene	33.3	36.2		ug/L		109	34 - 150
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140
Dibenz(a,h)anthracene	33.3	38.2		ug/L		115	29 - 150
4-Chloroaniline	33.3	36.9		ug/L		111	10 - 150
Fluoranthene	33.3	37.6		ug/L		113	30 - 150
4-Chloro-3-methylphenol	33.3	41.8		ug/L		125	10 - 137
Fluorene	33.3	37.2		ug/L		111	30 - 150
2-Chloronaphthalene	33.3	33.3		ug/L		100	10 - 150
2-Chlorophenol	33.3	38.7		ug/L		116	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	37.9		ug/L		114	28 - 150
1-Methylnaphthalene	33.3	32.9		ug/L		99	25 - 150
4-Chlorophenyl phenyl ether	33.3	36.8	*+	ug/L		111	31 - 110
2-Methylnaphthalene	33.3	31.6		ug/L		95	24 - 150
Dibenz[a,h]acridine	49.9	52.0		ug/L		104	40 - 150
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	35.3		ug/L		106	10 - 150
Phenanthrene	33.3	37.4		ug/L		112	32 - 150
2,4-Dichlorophenol	33.3	40.0		ug/L		120	30 - 125
Pyrene	33.3	38.2		ug/L		114	30 - 150
Diethyl phthalate	33.3	28.5		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	37.9		ug/L		114	10 - 142
Dimethyl phthalate	33.3	28.5		ug/L		85	24 - 125
Di-n-butyl phthalate	33.3	33.6		ug/L		101	30 - 127
4,6-Dinitro-ortho-cresol	66.7	81.4		ug/L		122	10 - 150
2,4-Dinitrophenol	66.7	84.7		ug/L		127	10 - 150
2,4-Dinitrotoluene	33.3	42.2		ug/L		127	30 - 129
2,6-Dinitrotoluene	33.3	41.4		ug/L		124	34 - 132
Di-n-octyl phthalate	33.3	42.3		ug/L		127	28 - 142
1,4-Dioxane	33.3	39.7		ug/L		119	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.3		ug/L		118	29 - 121
Hexachlorobenzene	33.3	38.2	*+	ug/L		115	29 - 113
Hexachlorocyclopentadiene	33.3	26.0		ug/L		78	10 - 150
Hexachloroethane	33.3	26.1		ug/L		78	10 - 112
Indene	50.0	35.8		ug/L		72	10 - 113
Isophorone	33.3	39.1		ug/L		117	29 - 125
2-Methylphenol	33.3	45.2	*+	ug/L		136	11 - 121
3 & 4 Methylphenol	33.3	48.0		ug/L		144	10 - 150
2-Nitroaniline	33.3	43.2		ug/L		130	31 - 141
3-Nitroaniline	33.3	37.3		ug/L		112	33 - 136
4-Nitroaniline	33.3	42.0		ug/L		126	37 - 139
Nitrobenzene	33.3	37.6		ug/L		113	29 - 129
2-Nitrophenol	33.3	40.3		ug/L		121	31 - 142

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitrophenol	66.7	106	*+	ug/L		160	10 - 150
N-Nitrosodimethylamine	33.3	40.2		ug/L		121	10 - 136
N-Nitrosodi-n-propylamine	33.3	38.0		ug/L		114	53 - 134
N-Nitrosodiphenylamine	33.1	38.1		ug/L		115	62 - 132
Pentachlorophenol	66.7	84.4		ug/L		127	14 - 150
Phenol	33.3	47.4		ug/L		142	10 - 150
Pyridine	66.7	58.4		ug/L		88	10 - 150
Quinoline	49.9	48.0		ug/L		96	50 - 150
2,4,5-Trichlorophenol	33.3	39.1		ug/L		117	27 - 136
2,4,6-Trichlorophenol	33.3	40.2		ug/L		121	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*102*		*50 - 150*
Terphenyl-d14	*94*		*43 - 147*
2-Fluorobiphenyl	*89*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*102*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*94*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-716503/49-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	35.3		ug/L		71	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*101*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*91*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	36.0		ug/L		108	29 - 150	2	40
Aniline	33.3	39.9		ug/L		120	10 - 134	2	40
Acenaphthylene	33.3	37.1		ug/L		111	30 - 150	2	40
Anthracene	33.3	38.2		ug/L		115	31 - 150	3	40
Benzoic acid	214	87.9	J *1	ug/L		41	10 - 180	49	40
Benzo[a]anthracene	33.3	38.9		ug/L		117	36 - 150	0	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150	0	40
Benzo[a]pyrene	33.3	36.4		ug/L		109	29 - 150	8	40
Bis(2-chloroethoxy)methane	33.3	41.5	*+	ug/L		125	34 - 120	1	40
Benzo[b]fluoranthene	33.3	38.6		ug/L		116	32 - 150	9	40
Bis(2-chloroethyl)ether	33.3	36.7		ug/L		110	32 - 114	1	40
Benzo[g,h,i]perylene	33.3	36.4		ug/L		109	28 - 150	7	40
bis (2-chloroisopropyl) ether	33.3	35.6		ug/L		107	32 - 115	0	40
Benzo[k]fluoranthene	33.3	37.0		ug/L		111	30 - 150	4	40
Bis(2-ethylhexyl) phthalate	33.3	45.2	*+	ug/L		136	24 - 133	2	40
4-Bromophenyl phenyl ether	33.3	36.0		ug/L		108	24 - 120	1	40
Chrysene	33.3	36.6		ug/L		110	34 - 150	1	40
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140	0	40
Dibenz(a,h)anthracene	33.3	35.8		ug/L		107	29 - 150	6	40
4-Chloroaniline	33.3	36.8		ug/L		110	10 - 150	0	40
Fluoranthene	33.3	36.8		ug/L		110	30 - 150	2	40
4-Chloro-3-methylphenol	33.3	42.0		ug/L		126	10 - 137	0	40
Fluorene	33.3	37.8		ug/L		113	30 - 150	2	40
2-Chloronaphthalene	33.3	32.6		ug/L		98	10 - 150	2	40
2-Chlorophenol	33.3	40.4		ug/L		121	28 - 127	4	40
Indeno[1,2,3-cd]pyrene	33.3	35.7		ug/L		107	28 - 150	6	40
1-Methylnaphthalene	33.3	33.3		ug/L		100	25 - 150	1	40
4-Chlorophenyl phenyl ether	33.3	37.1	*+	ug/L		111	31 - 110	1	40
2-Methylnaphthalene	33.3	31.7		ug/L		95	24 - 150	0	40
Dibenz[a,h]acridine	49.9	50.7		ug/L		102	40 - 150	3	40
Dibenzofuran	33.3	36.0		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine	33.3	35.6		ug/L		107	10 - 150	1	40
Phenanthrene	33.3	37.1		ug/L		111	32 - 150	1	40
2,4-Dichlorophenol	33.3	39.3		ug/L		118	30 - 125	2	40
Pyrene	33.3	37.4		ug/L		112	30 - 150	2	40
Diethyl phthalate	33.3	29.0		ug/L		87	31 - 118	2	40
2,4-Dimethylphenol	33.3	38.3		ug/L		115	10 - 142	1	40
Dimethyl phthalate	33.3	28.9		ug/L		87	24 - 125	1	40
Di-n-butyl phthalate	33.3	33.2		ug/L		100	30 - 127	1	40
4,6-Dinitro-ortho-cresol	66.7	83.5		ug/L		125	10 - 150	3	40
2,4-Dinitrophenol	66.7	87.7		ug/L		132	10 - 150	4	40
2,4-Dinitrotoluene	33.3	42.3		ug/L		127	30 - 129	0	40
2,6-Dinitrotoluene	33.3	42.0		ug/L		126	34 - 132	1	40
Di-n-octyl phthalate	33.3	43.4		ug/L		130	28 - 142	3	40
1,4-Dioxane	33.3	41.5		ug/L		124	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.8		ug/L		119	29 - 121	1	40
Hexachlorobenzene	33.3	38.0	*+	ug/L		114	29 - 113	1	40
Hexachlorocyclopentadiene	33.3	28.4		ug/L		85	10 - 150	9	40
Hexachloroethane	33.3	26.5		ug/L		80	10 - 112	1	40
Indene	50.0	35.6		ug/L		71	10 - 113	1	40
Isophorone	33.3	39.4		ug/L		118	29 - 125	1	40
2-Methylphenol	33.3	44.1	*+	ug/L		132	11 - 121	2	40
3 & 4 Methylphenol	33.3	48.6		ug/L		146	10 - 150	1	40
2-Nitroaniline	33.3	44.3		ug/L		133	31 - 141	3	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Nitroaniline			33.3	38.3		ug/L		115	33 - 136	3	40
4-Nitroaniline			33.3	42.6		ug/L		128	37 - 139	1	40
Nitrobenzene			33.3	37.8		ug/L		113	29 - 129	1	40
2-Nitrophenol			33.3	41.2		ug/L		124	31 - 142	2	40
4-Nitrophenol			66.7	109	*+	ug/L		163	10 - 150	2	40
N-Nitrosodimethylamine			33.3	41.1		ug/L		123	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	40.4		ug/L		121	53 - 134	6	40
N-Nitrosodiphenylamine			33.1	38.5		ug/L		116	62 - 132	1	40
Pentachlorophenol			66.7	84.7		ug/L		127	14 - 150	0	40
Phenol			33.3	47.7		ug/L		143	10 - 150	1	40
Pyridine			66.7	66.7		ug/L		100	10 - 150	13	40
Quinoline			49.9	48.5		ug/L		97	50 - 150	1	40
2,4,5-Trichlorophenol			33.3	40.9		ug/L		123	27 - 136	4	40
2,4,6-Trichlorophenol			33.3	40.7		ug/L		122	21 - 132	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*15 - 150*
Nitrobenzene-d5	*107*		*50 - 150*
Terphenyl-d14	*97*		*43 - 147*
2-Fluorobiphenyl	*92*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*107*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*97*		*28 - 150*
2,4,6-Tribromophenol	*113*		*10 - 150*

Lab Sample ID: LCSD 400-716503/50-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	41.3		ug/L		83	10 - 150	16	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*109*		*22 - 150*
Phenol-d5	*110*		*10 - 150*
Terphenyl-d14	*101*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/14/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071425-8260	7/14/2025	0000	Water	2					2	X			
	TB-ROX-071425-8260SIM	7/14/2025	0000	Water	2					2		X		
	P58-ROX-071425	7/14/2025	10:00	Water	6			4		10	X	X	X	X
	P58-ROX-071425-DUP	7/14/2025	10:00	Water	6			4		10	X	X	X	X
	P93B-ROX-071425	7/14/2025	11:35	Water	6			4		10	X	X	X	X

400-279181 Chain of Custody

	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Tony Jones	FEDEX: 4234 9605 3172	7/14/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Barkston	Date: 7/15/25	Time: 1005
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 1681722, 1681723

0.0°C IR ID

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279181-1

Login Number: 279181
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	07-24-25
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279298-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 9/1/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-chloroethoxy)methane	**124/125**	1	34-120/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111/111**	1	31-110/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Hexachlorobenzene	**115/114**	1	29-113/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	2-Methylphenol	**136/132**	2	11-121/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Nitrophenol	**160/163**	2	10-150/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Benzoic acid	25/41	**49**	10-180/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	133/**136**	2	24-133/40

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.					

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-071525	SVOCs	2-Methylphenol	J
MW25-ROX-071525	SVOCs	2-Methylphenol	J
MW25-ROX-071525-DUP	SVOCs	2-Methylphenol	J

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		
Analytes were detected in samples that required dilution with the exception of MW25-ROX-071525 and MW25-ROX-071525-DUP. All VOCs by 8260D SIM from these samples were qualified estimated (UJ).					
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The continuing calibration verifications (CCV) for Trichlorofluoromethane was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. The initial calibration verifications (ICV) for Pyridine was outside evaluation criteria, biased low.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-071525	VOCs	Trichlorofluoromethane	UJ
MW25-ROX-071525	VOCs	Trichlorofluoromethane	UJ

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW25-ROX-071525-DUP	VOCs	Trichlorofluoromethane			UJ	
MW2-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW24-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW22-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW2-ROX-071525	SVOCs	Pyridine			UJ	
MW24-ROX-071525	SVOCs	Pyridine			UJ	
MW22-ROX-071525	SVOCs	Pyridine			UJ	
MW4-ROX-071525	SVOCs	Pyridine			UJ	
MW25-ROX-071525	SVOCs	Pyridine			UJ	
MW25-ROX-071525-DUP	SVOCs	Pyridine			UJ	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X		
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X				
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/30/2025 6:06:17 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279298-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
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Job Narrative
400-279298-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/16/2025 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0°C and 4.6°C.

GC/MS VOA
Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716790 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW4-ROX-071525 (400-279298-10), MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716940 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW22-ROX-071525 (400-279298-6). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-071525-8260-A (400-279298-1), MW2-ROX-071525-EB (400-279298-3), MW2-ROX-071525 (400-279298-4), MW24-ROX-071525 (400-279298-5), MW22-ROX-071525 (400-279298-6), TB-ROX-071525-8260-B (400-279298-7) and MW4-ROX-071525-EB (400-279298-9). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-071525 (400-279298-10). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM: The following samples were diluted due to the abundance of non-target analytes: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716959 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 400-279298-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane and Hexachlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane, Bis(2-ethylhexyl) phthalate and Hexachlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-071525 (400-279298-10), MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279298-1	TB-ROX-071525-8260-A	Water	07/15/25 00:00	07/16/25 09:37
400-279298-2	TB-ROX-071525-8260SIM-A	Water	07/15/25 00:00	07/16/25 09:37
400-279298-3	MW2-ROX-071525-EB	Water	07/15/25 08:35	07/16/25 09:37
400-279298-4	MW2-ROX-071525	Water	07/15/25 10:30	07/16/25 09:37
400-279298-5	MW24-ROX-071525	Water	07/15/25 12:15	07/16/25 09:37
400-279298-6	MW22-ROX-071525	Water	07/15/25 13:35	07/16/25 09:37
400-279298-7	TB-ROX-071525-8260-B	Water	07/15/25 00:00	07/16/25 09:37
400-279298-8	TB-ROX-071525-8260SIM-B	Water	07/15/25 00:00	07/16/25 09:37
400-279298-9	MW4-ROX-071525-EB	Water	07/15/25 07:55	07/16/25 09:37
400-279298-10	MW4-ROX-071525	Water	07/15/25 08:30	07/16/25 09:37
400-279298-11	MW25-ROX-071525	Water	07/15/25 09:20	07/16/25 09:37
400-279298-12	MW25-ROX-071525-DUP	Water	07/15/25 09:20	07/16/25 09:37

Detection Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260-A — Lab Sample ID: 400-279298-1

No Detections.

Client Sample ID: TB-ROX-071525-8260SIM-A — Lab Sample ID: 400-279298-2

No Detections.

Client Sample ID: MW2-ROX-071525-EB — Lab Sample ID: 400-279298-3

No Detections.

Client Sample ID: MW2-ROX-071525 — Lab Sample ID: 400-279298-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20	J	25	10	ug/L	1		8260D	Total/NA
Benzene	0.72	J	1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	13	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	25		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	33		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	14		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	4.3	J	5.0	3.0	ug/L	1		8260D	Total/NA
n-Butylbenzene	2.7		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	52		1.0	0.69	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	3.3		1.0	0.71	ug/L	1		8260D	Total/NA
sec-Butylbenzene	5.8		1.0	0.70	ug/L	1		8260D	Total/NA
Toluene	1.2		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.7		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	3.2		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	15		10	6.0	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	4.8		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	3.9		0.20	0.077	ug/L	1		8270E	Total/NA

Client Sample ID: MW24-ROX-071525 — Lab Sample ID: 400-279298-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
N-Propylbenzene	0.90	J	1.0	0.69	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	0.074	J	0.20	0.066	ug/L	1		8270E	Total/NA

Client Sample ID: MW22-ROX-071525 — Lab Sample ID: 400-279298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		5.0	2.5	ug/L	5		8260D	Total/NA
Carbon disulfide	6.9		5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	240		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	27		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	600		25	15	ug/L	5		8260D	Total/NA
Naphthalene	120		25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	43		5.0	3.5	ug/L	5		8260D	Total/NA
o-Xylene	29		25	15	ug/L	5		8260D	Total/NA
Toluene	42		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	62		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	31		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	630		50	30	ug/L	5		8260D	Total/NA
Aniline	0.78	J	9.9	0.73	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	18		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	26		0.20	0.076	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW22-ROX-071525 (Continued) — Lab Sample ID: 400-279298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	3.5	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	3.6	J	9.9	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	0.80	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA

Client Sample ID: TB-ROX-071525-8260-B — Lab Sample ID: 400-279298-7

No Detections.

Client Sample ID: TB-ROX-071525-8260SIM-B — Lab Sample ID: 400-279298-8

No Detections.

Client Sample ID: MW4-ROX-071525-EB — Lab Sample ID: 400-279298-9

No Detections.

Client Sample ID: MW4-ROX-071525 — Lab Sample ID: 400-279298-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.23	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	7500		50	25	ug/L	50		8260D	Total/NA
Phenol - DL	110		99	6.7	ug/L	10		8270E	Total/NA

Client Sample ID: MW25-ROX-071525 — Lab Sample ID: 400-279298-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	410000		2000	1000	ug/L	2000		8260D	Total/NA
Acenaphthene	0.17	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.19	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	8.7		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	8.1		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	8.9	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.6	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	3.7	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	120		99	23	ug/L	5		8270E	Total/NA
Phenol - DL2	250		200	13	ug/L	20		8270E	Total/NA

Client Sample ID: MW25-ROX-071525-DUP — Lab Sample ID: 400-279298-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	400000		2000	1000	ug/L	2000		8260D	Total/NA
Acenaphthene	0.14	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.16	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	7.8		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	7.2		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	9.2	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.5	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	3.8	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	120		99	23	ug/L	5		8270E	Total/NA
Phenol - DL2	260		200	13	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-A
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 15:32	1
Acrolein	ND		20	3.3	ug/L			07/23/25 15:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 15:32	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 15:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 15:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 15:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 15:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 15:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 15:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 15:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 15:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 15:32	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 15:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 15:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 15:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 15:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 15:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 15:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 15:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 15:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 15:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 15:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 15:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 15:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 15:32	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 15:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 15:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 15:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 15:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 15:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 15:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 15:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 15:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 15:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 15:32	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260-A
Lab Sample ID: 400-279298-1
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 15:32	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 15:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 15:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 15:32	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 15:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 15:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 15:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 15:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 15:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 15:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 15:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 15:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 15:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 15:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/23/25 15:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 15:32*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/23/25 15:32*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260SIM-A
Lab Sample ID: 400-279298-2
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 17:33	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/17/25 17:33*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/17/25 17:33*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/17/25 17:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525-EB

Date Collected: 07/15/25 08:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 17:56	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/17/25 17:56*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/17/25 17:56*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 17:56*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 15:53	1
Acrolein	ND		20	3.3	ug/L			07/23/25 15:53	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 15:53	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 15:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 15:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 15:53	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 15:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 15:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 15:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 15:53	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 15:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 15:53	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 15:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 15:53	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 15:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 15:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 15:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 15:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 15:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 15:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 15:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 15:53	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 15:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 15:53	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 15:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 15:53	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 15:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 15:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 15:53	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 15:53	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 15:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 15:53	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 15:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 15:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 15:53	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 15:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 15:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 15:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 15:53	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 15:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 15:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 15:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 15:53	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 15:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 15:53*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*07/23/25 15:53*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/23/25 15:53*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 17:17	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 17:17	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:17	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:17	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 17:17	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 17:17	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 17:17	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 17:17	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:17	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:17	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 17:17	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 17:17	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 17:17	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 17:17	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 17:17	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 17:17	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 17:17	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 17:17	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 17:17	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 17:17	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 17:17	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 17:17	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 17:17	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 17:17	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 17:17	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Terphenyl-d14	*84*		*43 - 147*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2-Fluorobiphenyl	*82*		*25 - 139*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Nitrobenzene-d5	*96*		*22 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Phenol-d5	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Terphenyl-d14	*84*		*28 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2,4,6-Tribromophenol	*108*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-071525
Lab Sample ID: 400-279298-4
Date Collected: 07/15/25 10:30
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 18:19	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/17/25 18:19*	*1*
Toluene-d8 (Surr)	*107*		*50 - 150*		*07/17/25 18:19*	*1*
4-Bromofluorobenzene	*114*		*50 - 150*		*07/17/25 18:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**	**J**	25	10	ug/L			07/23/25 16:13	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:13	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:13	1
Benzene	**0.72**	**J**	1.0	0.50	ug/L			07/23/25 16:13	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:13	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:13	1
2-Butanone (MEK)	**13**	**J**	25	2.6	ug/L			07/23/25 16:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:13	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:13	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:13	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:13	1
Ethylbenzene	**25**		1.0	0.50	ug/L			07/23/25 16:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:13	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:13	1
Isopropylbenzene	**33**		1.0	0.53	ug/L			07/23/25 16:13	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:13	1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:13	1
m-Xylene & p-Xylene	**14**		5.0	3.0	ug/L			07/23/25 16:13	1
Naphthalene	**4.3**	**J**	5.0	3.0	ug/L			07/23/25 16:13	1
n-Butylbenzene	**2.7**		1.0	0.76	ug/L			07/23/25 16:13	1
N-Propylbenzene	**52**		1.0	0.69	ug/L			07/23/25 16:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:13	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:13	1
p-Isopropyltoluene	**3.3**		1.0	0.71	ug/L			07/23/25 16:13	1
sec-Butylbenzene	**5.8**		1.0	0.70	ug/L			07/23/25 16:13	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:13	1
Toluene	**1.2**		1.0	0.90	ug/L			07/23/25 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:13	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:13	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/23/25 16:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:13	1
1,2,4-Trimethylbenzene	**4.7**		1.0	0.82	ug/L			07/23/25 16:13	1
1,3,5-Trimethylbenzene	**3.2**		1.0	0.56	ug/L			07/23/25 16:13	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Xylenes, Total	**15**		10	6.0	ug/L			07/23/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/23/25 16:13*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/23/25 16:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/23/25 16:13*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 17:54	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 17:54	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:54	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:54	1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 17:54	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 17:54	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 17:54	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 17:54	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:54	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:54	1
1-Methylnaphthalene	**4.8**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Methylnaphthalene	**3.9**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 17:54	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 17:54	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 17:54	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 17:54	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 17:54	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 17:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 17:54	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 17:54	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 17:54	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 17:54	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 17:54	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 17:54	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 17:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 17:54	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 17:54	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Nitrobenzene-d5	*97*		*50 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Nitrobenzene-d5	*97*		*22 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Phenol-d5	*94*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW24-ROX-071525

Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 18:43	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/17/25 18:43*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/17/25 18:43*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/17/25 18:43*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 16:34	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:34	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:34	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:34	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 16:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:34	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:34	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:34	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:34	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:34	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:34	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:34	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:34	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 16:34	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:34	1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 16:34	1
N-Propylbenzene	**0.90**	**J**	1.0	0.69	ug/L			07/23/25 16:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:34	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 16:34	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 16:34	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:34	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 16:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:34	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:34	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:34	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:34	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/23/25 16:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 16:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 16:34	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/23/25 16:34*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 16:34*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/23/25 16:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 18:30	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 18:30	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 18:30	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 18:30	1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 18:30	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 18:30	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 18:30	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 18:30	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 18:30	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 18:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 18:30	1
1-Methylnaphthalene	**0.074**	**J**	0.20	0.066	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 18:30	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 18:30	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 18:30	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 18:30	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 18:30	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 18:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 18:30	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 18:30	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 18:30	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 18:30	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 18:30	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 18:30	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 18:30	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 18:30	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 18:30	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2-Fluorophenol	*96*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Phenol-d5	*91*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW22-ROX-071525

Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:06	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/17/25 19:06*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*		*07/17/25 19:06*	*1*
4-Bromofluorobenzene	*115*		*50 - 150*		*07/17/25 19:06*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			07/23/25 18:18	5
Acrolein	ND		100	17	ug/L			07/23/25 18:18	5
Acrylonitrile	ND		50	14	ug/L			07/23/25 18:18	5
Benzene	**21**		5.0	2.5	ug/L			07/23/25 18:18	5
Bromobenzene	ND		5.0	2.7	ug/L			07/23/25 18:18	5
Bromochloromethane	ND		5.0	2.6	ug/L			07/23/25 18:18	5
Bromodichloromethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Bromoform	ND		25	1.3	ug/L			07/23/25 18:18	5
Bromomethane	ND		5.0	4.9	ug/L			07/23/25 18:18	5
2-Butanone (MEK)	ND		130	13	ug/L			07/23/25 18:18	5
Carbon disulfide	**6.9**		5.0	2.5	ug/L			07/23/25 18:18	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			07/23/25 18:18	5
Chlorobenzene	ND		5.0	2.1	ug/L			07/23/25 18:18	5
Chloroethane	ND		5.0	3.8	ug/L			07/23/25 18:18	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			07/23/25 18:18	5
Chloroform	ND		5.0	4.5	ug/L			07/23/25 18:18	5
1-Chlorohexane	ND		5.0	1.6	ug/L			07/23/25 18:18	5
Chloromethane	ND		5.0	2.0	ug/L			07/23/25 18:18	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			07/23/25 18:18	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			07/23/25 18:18	5
Dibromochloromethane	ND		5.0	1.2	ug/L			07/23/25 18:18	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			07/23/25 18:18	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			07/23/25 18:18	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			07/23/25 18:18	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			07/23/25 18:18	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			07/23/25 18:18	5
Ethylbenzene	**240**		5.0	2.5	ug/L			07/23/25 18:18	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			07/23/25 18:18	5
Hexachlorobutadiene	ND		25	4.5	ug/L			07/23/25 18:18	5
2-Hexanone	ND		130	21	ug/L			07/23/25 18:18	5
Isopropylbenzene	**27**		5.0	2.7	ug/L			07/23/25 18:18	5
Methylene bromide	ND		25	1.1	ug/L			07/23/25 18:18	5
Methylene Chloride	ND		25	15	ug/L			07/23/25 18:18	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			07/23/25 18:18	5

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			07/23/25 18:18	5
m-Xylene & p-Xylene	**600**		25	15	ug/L			07/23/25 18:18	5
Naphthalene	**120**		25	15	ug/L			07/23/25 18:18	5
n-Butylbenzene	ND		5.0	3.8	ug/L			07/23/25 18:18	5
N-Propylbenzene	**43**		5.0	3.5	ug/L			07/23/25 18:18	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			07/23/25 18:18	5
o-Xylene	**29**		25	15	ug/L			07/23/25 18:18	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			07/23/25 18:18	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			07/23/25 18:18	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			07/23/25 18:18	5
Styrene	ND		5.0	5.0	ug/L			07/23/25 18:18	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			07/23/25 18:18	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			07/23/25 18:18	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Tetrachloroethene	ND		5.0	1.7	ug/L			07/23/25 18:18	5
Toluene	**42**		5.0	4.5	ug/L			07/23/25 18:18	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			07/23/25 18:18	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			07/23/25 18:18	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			07/23/25 18:18	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			07/23/25 18:18	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			07/23/25 18:18	5
Trichloroethene	ND		5.0	0.75	ug/L			07/23/25 18:18	5
Trichlorofluoromethane	ND	UJ	5.0	1.3	ug/L			07/23/25 18:18	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			07/23/25 18:18	5
1,2,4-Trimethylbenzene	**62**		5.0	4.1	ug/L			07/23/25 18:18	5
1,3,5-Trimethylbenzene	**31**		5.0	2.8	ug/L			07/23/25 18:18	5
Vinyl acetate	ND		130	4.7	ug/L			07/23/25 18:18	5
Vinyl chloride	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Xylenes, Total	**630**		50	30	ug/L			07/23/25 18:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/23/25 18:18*	*5*
Dibromofluoromethane	*96*		*79 - 130*		*07/23/25 18:18*	*5*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/23/25 18:18*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 19:07	1
Aniline	**0.78**	**J**	9.9	0.73	ug/L		07/18/25 07:00	07/23/25 19:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 19:07	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 19:07	1

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 19:07	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 19:07	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:07	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 19:07	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 19:07	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 19:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 19:07	1
1-Methylnaphthalene	**18**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Methylnaphthalene	**26**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 19:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 19:07	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 19:07	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dimethylphenol	**3.5**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 19:07	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 19:07	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/18/25 07:00	07/23/25 19:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 19:07	1
Indene	**3.6**	**J**	9.9	0.44	ug/L		07/18/25 07:00	07/23/25 19:07	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Methylphenol	**0.80**	**J** *+ J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 19:07	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 19:07	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 19:07	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 19:07	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 19:07	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 19:07	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 19:07	1
Phenol	ND		9.9	0.67	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Quinoline	ND		9.9	0.50	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2-Fluorophenol	*99*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Phenol-d5	*94*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2,4,6-Tribromophenol	*106*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-B
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 16:55	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:55	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:55	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:55	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 16:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:55	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:55	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:55	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:55	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:55	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:55	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:55	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 16:55	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:55	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:55	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 16:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 16:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:55	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 16:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-B
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 16:55	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:55	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 16:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:55	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:55	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:55	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:55	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 16:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 16:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 16:55	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/23/25 16:55*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/23/25 16:55*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/23/25 16:55*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260SIM-B
Lab Sample ID: 400-279298-8
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:30	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/17/25 19:30*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/17/25 19:30*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 19:30*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:53	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/17/25 19:53*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/17/25 19:53*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 19:53*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 17:16	1
Acrolein	ND		20	3.3	ug/L			07/23/25 17:16	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 17:16	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 17:16	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 17:16	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 17:16	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 17:16	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 17:16	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 17:16	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 17:16	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 17:16	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 17:16	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 17:16	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 17:16	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 17:16	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 17:16	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 17:16	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 17:16	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 17:16	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 17:16	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 17:16	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 17:16	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 17:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 17:16	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 17:16	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 17:16	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 17:16	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 17:16	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 17:16	1

Client Sample ID: MW4-ROX-071525-EB
Date Collected: 07/15/25 07:55
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 17:16	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 17:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 17:16	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 17:16	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 17:16	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 17:16	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 17:16	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 17:16	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 17:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 17:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 17:16	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 17:16	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 17:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 17:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 17:16	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 17:16	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 17:16	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 17:16	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 17:16	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 17:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 17:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 17:16	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 17:16	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 17:16*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 17:16*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/23/25 17:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 19:43	1
Aniline	ND		9.8	0.73	ug/L		07/18/25 07:00	07/23/25 19:43	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzenethiol	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 19:43	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzoic acid	ND	*1	98	79	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzyl alcohol	ND		34	30	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-chloroethoxy)methane	ND	*+	9.8	0.33	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 19:43	1

Client Sample ID: MW4-ROX-071525-EB
Date Collected: 07/15/25 07:55
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 19:43	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/18/25 07:00	07/23/25 19:43	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 19:43	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chloroaniline	ND		9.8	0.57	ug/L		07/18/25 07:00	07/23/25 19:43	1
Fluoranthene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 19:43	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/18/25 07:00	07/23/25 19:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 19:43	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chlorophenyl phenyl ether	ND	*+	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/18/25 07:00	07/23/25 19:43	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 19:43	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pyrene	ND		0.20	0.093	ug/L		07/18/25 07:00	07/23/25 19:43	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
Di-n-butyl phthalate	ND		9.8	8.1	ug/L		07/18/25 07:00	07/23/25 19:43	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/18/25 07:00	07/23/25 19:43	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/18/25 07:00	07/23/25 19:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachlorobenzene	ND	*+	9.8	0.25	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/18/25 07:00	07/23/25 19:43	1
Indene	ND		9.8	0.43	ug/L		07/18/25 07:00	07/23/25 19:43	1
Isophorone	ND		9.8	0.79	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/18/25 07:00	07/23/25 19:43	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/18/25 07:00	07/23/25 19:43	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/18/25 07:00	07/23/25 19:43	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Nitrophenol	ND	*+	9.8	2.7	ug/L		07/18/25 07:00	07/23/25 19:43	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/18/25 07:00	07/23/25 19:43	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/18/25 07:00	07/23/25 19:43	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/18/25 07:00	07/23/25 19:43	1
Phenol	ND		9.8	0.67	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pyridine	ND		9.8	3.0	ug/L		07/18/25 07:00	07/23/25 19:43	1
Quinoline	ND		9.8	0.49	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Terphenyl-d14	*87*		*43 - 147*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2-Fluorobiphenyl	*82*		*25 - 139*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2-Fluorophenol	*106*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Nitrobenzene-d5	*100*		*22 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Phenol-d5	*99*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Terphenyl-d14	*87*		*28 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW4-ROX-071525

Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 20:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/17/25 20:17*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/17/25 20:17*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/17/25 20:17*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/22/25 19:19	1
Acrolein	ND		20	3.3	ug/L			07/22/25 19:19	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/25 19:19	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/25 19:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/25 19:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Bromoform	ND		5.0	0.25	ug/L			07/22/25 19:19	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/25 19:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/25 19:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/22/25 19:19	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/22/25 19:19	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/25 19:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/25 19:19	1
Chloroform	ND		1.0	0.90	ug/L			07/22/25 19:19	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/22/25 19:19	1
Chloromethane	ND		1.0	0.40	ug/L			07/22/25 19:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/22/25 19:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/25 19:19	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/22/25 19:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/25 19:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/25 19:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/25 19:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/22/25 19:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/22/25 19:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/25 19:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/25 19:19	1
2-Hexanone	ND		25	4.3	ug/L			07/22/25 19:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/25 19:19	1
Methylene bromide	ND		5.0	0.22	ug/L			07/22/25 19:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/25 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/25 19:19	1
Methyl tert-butyl ether	**0.23**	**J**	1.0	0.22	ug/L			07/22/25 19:19	1

Client Sample ID: MW4-ROX-071525
Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
Naphthalene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/25 19:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/25 19:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/25 19:19	1
o-Xylene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/25 19:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/25 19:19	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/25 19:19	1
Styrene	ND		1.0	1.0	ug/L			07/22/25 19:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/25 19:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/22/25 19:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/22/25 19:19	1
Toluene	ND		1.0	0.90	ug/L			07/22/25 19:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/22/25 19:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/22/25 19:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/25 19:19	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/22/25 19:19	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/22/25 19:19	1
Trichloroethene	ND		1.0	0.15	ug/L			07/22/25 19:19	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/22/25 19:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/25 19:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/25 19:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/25 19:19	1
Vinyl acetate	ND		25	0.93	ug/L			07/22/25 19:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Xylenes, Total	ND		10	6.0	ug/L			07/22/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/22/25 19:19*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*07/22/25 19:19*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 19:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7500**		50	25	ug/L			07/25/25 19:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/25/25 19:27*	*50*
Dibromofluoromethane	*100*		*79 - 130*		*07/25/25 19:27*	*50*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/25/25 19:27*	*50*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 20:19	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 20:19	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:19	1

Client Sample ID: MW4-ROX-071525
Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 20:19	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 20:19	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 20:19	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 20:19	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:19	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 20:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:19	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 20:19	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 20:19	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 20:19	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 20:19	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 20:19	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 20:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 20:19	1
Indene	ND		9.9	0.43	ug/L		07/18/25 07:00	07/23/25 20:19	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 20:19	1

Client Sample ID: MW4-ROX-071525
Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 20:19	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 20:19	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 20:19	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2-Fluorobiphenyl	*81*		*25 - 139*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Phenol-d5	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**110**		99	6.7	ug/L		07/18/25 07:00	07/24/25 17:15	10

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525

Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.50	0.40	ug/L			07/23/25 12:17	25
1,2-Dibromoethane	ND	UJ	0.50	0.25	ug/L			07/23/25 12:17	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/23/25 12:17*	*25*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/23/25 12:17*	*25*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/23/25 12:17*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			07/22/25 20:00	2000
Acrolein	ND		40000	6600	ug/L			07/22/25 20:00	2000
Acrylonitrile	ND		20000	5600	ug/L			07/22/25 20:00	2000
Benzene	**410000**		2000	1000	ug/L			07/22/25 20:00	2000
Bromobenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Bromochloromethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Bromoform	ND		10000	500	ug/L			07/22/25 20:00	2000
Bromomethane	ND		2000	2000	ug/L			07/22/25 20:00	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/22/25 20:00	2000
Carbon disulfide	ND		2000	1000	ug/L			07/22/25 20:00	2000
Carbon tetrachloride	ND		2000	380	ug/L			07/22/25 20:00	2000
Chlorobenzene	ND		2000	840	ug/L			07/22/25 20:00	2000
Chloroethane	ND		2000	1500	ug/L			07/22/25 20:00	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			07/22/25 20:00	2000
Chloroform	ND		2000	1800	ug/L			07/22/25 20:00	2000
1-Chlorohexane	ND		2000	640	ug/L			07/22/25 20:00	2000
Chloromethane	ND		2000	800	ug/L			07/22/25 20:00	2000
cis-1,2-Dichloroethene	ND		2000	400	ug/L			07/22/25 20:00	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/22/25 20:00	2000
Dibromochloromethane	ND		2000	480	ug/L			07/22/25 20:00	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/22/25 20:00	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/22/25 20:00	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,2-Dichloroethane	ND		2000	1100	ug/L			07/22/25 20:00	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,1-Dichloropropene	ND		2000	180	ug/L			07/22/25 20:00	2000
Ethylbenzene	ND		2000	1000	ug/L			07/22/25 20:00	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/22/25 20:00	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/22/25 20:00	2000
2-Hexanone	ND		50000	8500	ug/L			07/22/25 20:00	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Methylene bromide	ND		10000	440	ug/L			07/22/25 20:00	2000
Methylene Chloride	ND		10000	6000	ug/L			07/22/25 20:00	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/22/25 20:00	2000

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2000	440	ug/L			07/22/25 20:00	2000
m-Xylene & p-Xylene	ND		10000	6000	ug/L			07/22/25 20:00	2000
Naphthalene	ND		10000	6000	ug/L			07/22/25 20:00	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/22/25 20:00	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/22/25 20:00	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:00	2000
o-Xylene	ND		10000	6000	ug/L			07/22/25 20:00	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:00	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/22/25 20:00	2000
sec-Butylbenzene	ND		2000	1400	ug/L			07/22/25 20:00	2000
Styrene	ND		2000	2000	ug/L			07/22/25 20:00	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/22/25 20:00	2000
1,1,1,2-Tetrachloroethane	ND		2000	760	ug/L			07/22/25 20:00	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Tetrachloroethene	ND		2000	660	ug/L			07/22/25 20:00	2000
Toluene	ND		2000	1800	ug/L			07/22/25 20:00	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:00	2000
trans-1,3-Dichloropropene	ND		10000	400	ug/L			07/22/25 20:00	2000
1,2,3-Trichlorobenzene	ND		2000	1800	ug/L			07/22/25 20:00	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/22/25 20:00	2000
1,1,1-Trichloroethane	ND		2000	360	ug/L			07/22/25 20:00	2000
1,1,2-Trichloroethane	ND		10000	420	ug/L			07/22/25 20:00	2000
Trichloroethene	ND		2000	300	ug/L			07/22/25 20:00	2000
Trichlorofluoromethane	ND	UJ	2000	500	ug/L			07/22/25 20:00	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/22/25 20:00	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/22/25 20:00	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Vinyl acetate	ND		50000	1900	ug/L			07/22/25 20:00	2000
Vinyl chloride	ND		2000	1000	ug/L			07/22/25 20:00	2000
Xylenes, Total	ND		20000	12000	ug/L			07/22/25 20:00	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 20:00*	*2000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 20:00*	*2000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 20:00*	*2000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.17**	**J**	0.20	0.084	ug/L		07/18/25 07:00	07/23/25 20:56	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 20:56	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:56	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:56	1

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 20:56	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 20:56	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 20:56	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 20:56	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:56	1
Fluorene	**0.19**	**J**	0.20	0.086	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 20:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:56	1
1-Methylnaphthalene	**8.7**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Methylnaphthalene	**8.1**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 20:56	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 20:56	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 20:56	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dimethylphenol	**8.9**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 20:56	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 20:56	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 20:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 20:56	1
Indene	**1.6**	**J**	9.9	0.43	ug/L		07/18/25 07:00	07/23/25 20:56	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Methylphenol	**3.7**	**J *+** J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 20:56	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 20:56	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 20:56	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 20:56	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 20:56	1

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 20:56	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Nitrobenzene-d5	*98*		*50 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Nitrobenzene-d5	*98*		*22 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Phenol-d5	*95*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**120**		99	23	ug/L		07/18/25 07:00	07/25/25 12:53	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**250**		200	13	ug/L		07/18/25 07:00	07/24/25 17:52	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525-DUP

Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.50	0.40	ug/L			07/23/25 12:40	25
1,2-Dibromoethane	ND	UJ	0.50	0.25	ug/L			07/23/25 12:40	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/23/25 12:40*	*25*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/23/25 12:40*	*25*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/23/25 12:40*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			07/22/25 20:21	2000
Acrolein	ND		40000	6600	ug/L			07/22/25 20:21	2000
Acrylonitrile	ND		20000	5600	ug/L			07/22/25 20:21	2000
Benzene	**400000**		2000	1000	ug/L			07/22/25 20:21	2000
Bromobenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Bromochloromethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Bromoform	ND		10000	500	ug/L			07/22/25 20:21	2000
Bromomethane	ND		2000	2000	ug/L			07/22/25 20:21	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/22/25 20:21	2000
Carbon disulfide	ND		2000	1000	ug/L			07/22/25 20:21	2000
Carbon tetrachloride	ND		2000	380	ug/L			07/22/25 20:21	2000
Chlorobenzene	ND		2000	840	ug/L			07/22/25 20:21	2000
Chloroethane	ND		2000	1500	ug/L			07/22/25 20:21	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			07/22/25 20:21	2000
Chloroform	ND		2000	1800	ug/L			07/22/25 20:21	2000
1-Chlorohexane	ND		2000	640	ug/L			07/22/25 20:21	2000
Chloromethane	ND		2000	800	ug/L			07/22/25 20:21	2000
cis-1,2-Dichloroethene	ND		2000	400	ug/L			07/22/25 20:21	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/22/25 20:21	2000
Dibromochloromethane	ND		2000	480	ug/L			07/22/25 20:21	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/22/25 20:21	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/22/25 20:21	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,2-Dichloroethane	ND		2000	1100	ug/L			07/22/25 20:21	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,1-Dichloropropene	ND		2000	180	ug/L			07/22/25 20:21	2000
Ethylbenzene	ND		2000	1000	ug/L			07/22/25 20:21	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/22/25 20:21	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/22/25 20:21	2000
2-Hexanone	ND		50000	8500	ug/L			07/22/25 20:21	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Methylene bromide	ND		10000	440	ug/L			07/22/25 20:21	2000
Methylene Chloride	ND		10000	6000	ug/L			07/22/25 20:21	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/22/25 20:21	2000

Client Sample ID: MW25-ROX-071525-DUP
Lab Sample ID: 400-279298-12

Date Collected: 07/15/25 09:20
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2000	440	ug/L			07/22/25 20:21	2000
m-Xylene & p-Xylene	ND		10000	6000	ug/L			07/22/25 20:21	2000
Naphthalene	ND		10000	6000	ug/L			07/22/25 20:21	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/22/25 20:21	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/22/25 20:21	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:21	2000
o-Xylene	ND		10000	6000	ug/L			07/22/25 20:21	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:21	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/22/25 20:21	2000
sec-Butylbenzene	ND		2000	1400	ug/L			07/22/25 20:21	2000
Styrene	ND		2000	2000	ug/L			07/22/25 20:21	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/22/25 20:21	2000
1,1,1,2-Tetrachloroethane	ND		2000	760	ug/L			07/22/25 20:21	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Tetrachloroethene	ND		2000	660	ug/L			07/22/25 20:21	2000
Toluene	ND		2000	1800	ug/L			07/22/25 20:21	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:21	2000
trans-1,3-Dichloropropene	ND		10000	400	ug/L			07/22/25 20:21	2000
1,2,3-Trichlorobenzene	ND		2000	1800	ug/L			07/22/25 20:21	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/22/25 20:21	2000
1,1,1-Trichloroethane	ND		2000	360	ug/L			07/22/25 20:21	2000
1,1,2-Trichloroethane	ND		10000	420	ug/L			07/22/25 20:21	2000
Trichloroethene	ND		2000	300	ug/L			07/22/25 20:21	2000
Trichlorofluoromethane	ND	UJ	2000	500	ug/L			07/22/25 20:21	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/22/25 20:21	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/22/25 20:21	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Vinyl acetate	ND		50000	1900	ug/L			07/22/25 20:21	2000
Vinyl chloride	ND		2000	1000	ug/L			07/22/25 20:21	2000
Xylenes, Total	ND		20000	12000	ug/L			07/22/25 20:21	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 20:21*	*2000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 20:21*	*2000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 20:21*	*2000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**	**J**	0.20	0.084	ug/L		07/18/25 07:00	07/23/25 21:32	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 21:32	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 21:32	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 21:32	1

Client Sample ID: MW25-ROX-071525-DUP
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 21:32	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 21:32	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 21:32	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 21:32	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 21:32	1
Fluorene	**0.16**	**J**	0.20	0.086	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 21:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 21:32	1
1-Methylnaphthalene	**7.8**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Methylnaphthalene	**7.2**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 21:32	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 21:32	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 21:32	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dimethylphenol	**9.2**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 21:32	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 21:32	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 21:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 21:32	1
Indene	**1.5**	**J**	9.9	0.43	ug/L		07/18/25 07:00	07/23/25 21:32	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Methylphenol	**3.8**	**J *+** J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 21:32	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 21:32	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 21:32	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 21:32	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 21:32	1

Client Sample ID: MW25-ROX-071525-DUP
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 21:32	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Terphenyl-d14	*62*		*43 - 147*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Phenol-d5	*97*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Terphenyl-d14	*62*		*28 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**120**		99	23	ug/L		07/18/25 07:00	07/25/25 13:30	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**260**		200	13	ug/L		07/18/25 07:00	07/24/25 18:29	20

Definitions/Glossary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279298-1	TB-ROX-071525-8260-A	101	103	102
400-279298-3	MW2-ROX-071525-EB	97	100	100
400-279298-4	MW2-ROX-071525	103	96	104
400-279298-5	MW24-ROX-071525	100	103	102
400-279298-6	MW22-ROX-071525	99	96	103
400-279298-7	TB-ROX-071525-8260-B	100	102	101
400-279298-9	MW4-ROX-071525-EB	97	103	101
400-279298-10	MW4-ROX-071525	98	116	100
400-279298-10 - DL	MW4-ROX-071525	98	100	101
400-279298-11	MW25-ROX-071525	96	102	100
400-279298-12	MW25-ROX-071525-DUP	96	102	100
LCS 400-716790/1002	Lab Control Sample	106	93	101
LCS 400-716940/1002	Lab Control Sample	105	94	103
LCS 400-717227/1002	Lab Control Sample	105	92	100
MB 400-716790/4	Method Blank	96	104	101
MB 400-716940/4	Method Blank	97	103	103
MB 400-717227/4	Method Blank	98	102	100

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279298-2	TB-ROX-071525-8260SIM-A	103	98	103
400-279298-3	MW2-ROX-071525-EB	105	98	104
400-279298-4	MW2-ROX-071525	93	107	114
400-279298-5	MW24-ROX-071525	99	97	102
400-279298-6	MW22-ROX-071525	94	101	115
400-279298-8	TB-ROX-071525-8260SIM-B	99	96	104
400-279298-9	MW4-ROX-071525-EB	100	97	104
400-279298-10	MW4-ROX-071525	95	96	105
400-279298-11	MW25-ROX-071525	93	99	100
400-279298-12	MW25-ROX-071525-DUP	93	99	101
LCS 400-716286/1004	Lab Control Sample	93	101	108
LCS 400-716932/1004	Lab Control Sample	95	103	101
MB 400-716286/6	Method Blank	99	98	104
MB 400-716932/6	Method Blank	103	100	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
400-279298-3	MW2-ROX-071525-EB	82	96	84	82	107	96	101	84
400-279298-4	MW2-ROX-071525	79	97	58	79	101	97	94	58
400-279298-5	MW24-ROX-071525	77	92	60	77	96	92	91	60
400-279298-6	MW22-ROX-071525	76	94	58	76	99	94	94	58
400-279298-9	MW4-ROX-071525-EB	82	100	87	82	106	100	99	87
400-279298-10	MW4-ROX-071525	81	99	58	81	105	99	103	58
400-279298-11	MW25-ROX-071525	77	98	60	77	98	98	95	60
400-279298-12	MW25-ROX-071525-DUP	80	99	62	80	101	99	97	62
LCS 400-716503/49-A	Lab Control Sample				91	108	101	107	91
LCSD 400-716503/50-A	Lab Control Sample Dup				100	112	109	110	101

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-279298-3	MW2-ROX-071525-EB	108
400-279298-4	MW2-ROX-071525	101
400-279298-5	MW24-ROX-071525	92
400-279298-6	MW22-ROX-071525	106
400-279298-9	MW4-ROX-071525-EB	101
400-279298-10	MW4-ROX-071525	103
400-279298-11	MW25-ROX-071525	103
400-279298-12	MW25-ROX-071525-DUP	110
LCS 400-716503/49-A	Lab Control Sample	97
LCSD 400-716503/50-A	Lab Control Sample Dup	97

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
LCS 400-716503/2-A	Lab Control Sample	89	102	94	89	119	102	126	94
LCSD 400-716503/3-A	Lab Control Sample Dup	92	107	97	92	127	107	136	97
MB 400-716503/1-A	Method Blank	95	110	90	95	97	110	83	90

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
LCS 400-716503/2-A	Lab Control Sample	107
LCSD 400-716503/3-A	Lab Control Sample Dup	113
MB 400-716503/1-A	Method Blank	103

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Surrogate Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260-A
Lab Sample ID: 400-279298-1
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 15:32	RSG	EET PEN

Client Sample ID: TB-ROX-071525-8260SIM-A
Lab Sample ID: 400-279298-2
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 17:33	NMB	EET PEN

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 15:53	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 17:56	NMB	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 17:17	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 17:17	JAW	EET PEN

Client Sample ID: MW2-ROX-071525
Lab Sample ID: 400-279298-4
Date Collected: 07/15/25 10:30
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 16:13	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 18:19	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 17:54	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 17:54	JAW	EET PEN

Client Sample ID: MW24-ROX-071525
Lab Sample ID: 400-279298-5
Date Collected: 07/15/25 12:15
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 16:34	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 18:43	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 18:30	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 18:30	JAW	EET PEN

Client Sample ID: MW22-ROX-071525
Lab Sample ID: 400-279298-6
Date Collected: 07/15/25 13:35
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	716940	07/23/25 18:18	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:06	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 19:07	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 19:07	JAW	EET PEN

Client Sample ID: TB-ROX-071525-8260-B
Lab Sample ID: 400-279298-7
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 16:55	RSG	EET PEN

Client Sample ID: TB-ROX-071525-8260SIM-B
Lab Sample ID: 400-279298-8
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:30	NMB	EET PEN

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 17:16	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:53	NMB	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 19:43	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 19:43	JAW	EET PEN

Client Sample ID: MW4-ROX-071525
Lab Sample ID: 400-279298-10
Date Collected: 07/15/25 08:30
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716790	07/22/25 19:19	CAR	EET PEN
Total/NA	Analysis	8260D	DL	50	5 mL	5 mL	717227	07/25/25 19:27	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 20:17	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 20:19	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 20:19	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525
Lab Sample ID: 400-279298-10
Date Collected: 07/15/25 08:30
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			717087	07/24/25 17:15	S1B	EET PEN

Client Sample ID: MW25-ROX-071525
Lab Sample ID: 400-279298-11
Date Collected: 07/15/25 09:20
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2000	5 mL	5 mL	716790	07/22/25 20:00	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716932	07/23/25 12:17	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 20:56	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 20:56	JAW	EET PEN
Total/NA	Prep	3511	DL2		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 17:52	S1B	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717240	07/25/25 12:53	S1B	EET PEN

Client Sample ID: MW25-ROX-071525-DUP
Lab Sample ID: 400-279298-12
Date Collected: 07/15/25 09:20
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2000	5 mL	5 mL	716790	07/22/25 20:21	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716932	07/23/25 12:40	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 21:32	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 21:32	JAW	EET PEN
Total/NA	Prep	3511	DL2		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 18:29	S1B	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717240	07/25/25 13:30	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716286/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 12:17	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716503/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716790/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716790	07/22/25 11:53	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716932/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716932	07/23/25 09:27	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716940/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 11:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-717227/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	717227	07/25/25 09:53	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716286/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 08:54	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/49-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:49	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716790/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716790	07/22/25 10:56	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716932/1004
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716932	07/23/25 08:07	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716940/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716940	07/23/25 10:29	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-717227/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	717227	07/25/25 08:54	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:13	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 20:13	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/50-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 21:24	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

GC/MS VOA

Analysis Batch: 716286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-2	TB-ROX-071525-8260SIM-A	Total/NA	Water	8260D SIM	
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8260D SIM	
400-279298-4	MW2-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-5	MW24-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-6	MW22-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-8	TB-ROX-071525-8260SIM-B	Total/NA	Water	8260D SIM	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8260D SIM	
400-279298-10	MW4-ROX-071525	Total/NA	Water	8260D SIM	
MB 400-716286/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716286/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10	MW4-ROX-071525	Total/NA	Water	8260D	
400-279298-11	MW25-ROX-071525	Total/NA	Water	8260D	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8260D	
MB 400-716790/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716790/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-11	MW25-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8260D SIM	
MB 400-716932/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716932/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-1	TB-ROX-071525-8260-A	Total/NA	Water	8260D	
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8260D	
400-279298-4	MW2-ROX-071525	Total/NA	Water	8260D	
400-279298-5	MW24-ROX-071525	Total/NA	Water	8260D	
400-279298-6	MW22-ROX-071525	Total/NA	Water	8260D	
400-279298-7	TB-ROX-071525-8260-B	Total/NA	Water	8260D	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8260D	
MB 400-716940/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716940/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 717227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	8260D	
MB 400-717227/4	Method Blank	Total/NA	Water	8260D	
LCS 400-717227/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	3511	
400-279298-4	MW2-ROX-071525	Total/NA	Water	3511	
400-279298-5	MW24-ROX-071525	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 716503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-6	MW22-ROX-071525	Total/NA	Water	3511	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	3511	
400-279298-10	MW4-ROX-071525	Total/NA	Water	3511	
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	3511	
400-279298-11	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-11 - DL2	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-11 - DL	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	3511	
400-279298-12 - DL2	MW25-ROX-071525-DUP	Total/NA	Water	3511	
400-279298-12 - DL	MW25-ROX-071525-DUP	Total/NA	Water	3511	
MB 400-716503/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-4	MW2-ROX-071525	Total/NA	Water	8270E	716503
400-279298-5	MW24-ROX-071525	Total/NA	Water	8270E	716503
400-279298-6	MW22-ROX-071525	Total/NA	Water	8270E	716503
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-10	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Analysis Batch: 716959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-4	MW2-ROX-071525	Total/NA	Water	8270E	716503
400-279298-5	MW24-ROX-071525	Total/NA	Water	8270E	716503
400-279298-6	MW22-ROX-071525	Total/NA	Water	8270E	716503
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-10	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

GC/MS Semi VOA

Analysis Batch: 717087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11 - DL2	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12 - DL2	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Analysis Batch: 717240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-11 - DL	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12 - DL	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/22/25 11:53	1
Acrolein	ND		20	3.3	ug/L			07/22/25 11:53	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/25 11:53	1
Benzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/25 11:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/25 11:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Bromoform	ND		5.0	0.25	ug/L			07/22/25 11:53	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/25 11:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/25 11:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/22/25 11:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/22/25 11:53	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/25 11:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/25 11:53	1
Chloroform	ND		1.0	0.90	ug/L			07/22/25 11:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/22/25 11:53	1
Chloromethane	ND		1.0	0.40	ug/L			07/22/25 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/22/25 11:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/25 11:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/22/25 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/25 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/25 11:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/25 11:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/22/25 11:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/22/25 11:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/25 11:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/25 11:53	1
2-Hexanone	ND		25	4.3	ug/L			07/22/25 11:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/25 11:53	1
Methylene bromide	ND		5.0	0.22	ug/L			07/22/25 11:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/25 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/25 11:53	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/22/25 11:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
Naphthalene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/25 11:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/25 11:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/25 11:53	1
o-Xylene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/25 11:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/25 11:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/25 11:53	1
Styrene	ND		1.0	1.0	ug/L			07/22/25 11:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/25 11:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/22/25 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/22/25 11:53	1
Toluene	ND		1.0	0.90	ug/L			07/22/25 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/22/25 11:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/22/25 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/25 11:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/22/25 11:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/22/25 11:53	1
Trichloroethene	ND		1.0	0.15	ug/L			07/22/25 11:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/22/25 11:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/25 11:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/25 11:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/25 11:53	1
Vinyl acetate	ND		25	0.93	ug/L			07/22/25 11:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Xylenes, Total	ND		10	6.0	ug/L			07/22/25 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 11:53*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/22/25 11:53*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/22/25 11:53*	*1*

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	228		ug/L		114	43 - 150
Acrolein	500	434		ug/L		87	38 - 150
Acrylonitrile	500	528		ug/L		106	64 - 142
Benzene	50.0	50.2		ug/L		100	70 - 130
Bromobenzene	50.0	52.0		ug/L		104	70 - 132
Bromochloromethane	50.0	45.0		ug/L		90	70 - 130
Bromodichloromethane	50.0	47.0		ug/L		94	67 - 133
Bromoform	50.0	51.1		ug/L		102	57 - 140
Bromomethane	50.0	35.7		ug/L		71	10 - 150
2-Butanone (MEK)	200	269		ug/L		135	61 - 145
Carbon disulfide	50.0	49.4		ug/L		99	61 - 137
Carbon tetrachloride	50.0	44.0		ug/L		88	61 - 137
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130
Chloroethane	50.0	42.8		ug/L		86	55 - 141
2-Chloroethyl vinyl ether	50.0	56.8		ug/L		114	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	43.5		ug/L		87	69 - 130
1-Chlorohexane	50.0	51.7		ug/L		103	69 - 130
Chloromethane	50.0	50.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	55.4		ug/L		111	68 - 130
cis-1,3-Dichloropropene	50.0	51.9		ug/L		104	69 - 132
Dibromochloromethane	50.0	48.4		ug/L		97	67 - 135
1,2-Dichlorobenzene	50.0	47.7		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	51.5		ug/L		103	41 - 146
1,1-Dichloroethane	50.0	51.0		ug/L		102	70 - 130
1,2-Dichloroethane	50.0	41.6		ug/L		83	69 - 130
1,1-Dichloroethene	50.0	42.4		ug/L		85	63 - 134
1,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	53.4		ug/L		107	70 - 130
2,2-Dichloropropane	50.0	44.5		ug/L		89	52 - 135
1,1-Dichloropropene	50.0	49.2		ug/L		98	70 - 130
Ethylbenzene	50.0	52.2		ug/L		104	70 - 130
Ethyl methacrylate	50.0	56.5		ug/L		113	68 - 130
Hexachlorobutadiene	50.0	53.5		ug/L		107	53 - 140
2-Hexanone	200	252		ug/L		126	65 - 137
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130
Methylene bromide	50.0	46.4		ug/L		93	70 - 130
Methylene Chloride	50.0	49.3		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	211		ug/L		105	69 - 138
Methyl tert-butyl ether	50.0	48.1		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	49.7		ug/L		99	70 - 130
Naphthalene	50.0	55.6		ug/L		111	47 - 149
n-Butylbenzene	50.0	53.6		ug/L		107	67 - 130
N-Propylbenzene	50.0	54.7		ug/L		109	70 - 130
o-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	49.3		ug/L		99	70 - 130
p-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	53.7		ug/L		107	66 - 130
Styrene	50.0	48.6		ug/L		97	70 - 130
tert-Butylbenzene	50.0	50.1		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.2		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/L		112	70 - 131
Tetrachloroethene	50.0	56.0		ug/L		112	65 - 130
Toluene	50.0	50.0		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	53.5		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	53.6		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	43.5		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	70 - 130
Trichloroethene	50.0	49.8		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	39.1		ug/L		78	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	55.7		ug/L		111	70 - 130
1,2,4-Trimethylbenzene	50.0	54.4		ug/L		109	70 - 130
1,3,5-Trimethylbenzene	50.0	54.3		ug/L		109	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 150
Vinyl chloride	50.0	52.4		ug/L		105	59 - 136
Xylenes, Total	100	98.9		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-716940/4
Matrix: Water
Analysis Batch: 716940

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 11:32	1
Acrolein	ND		20	3.3	ug/L			07/23/25 11:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 11:32	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 11:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 11:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 11:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 11:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 11:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 11:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 11:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 11:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 11:32	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 11:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 11:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 11:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 11:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 11:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 11:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 11:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 11:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 11:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 11:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-716940/4
Matrix: Water
Analysis Batch: 716940

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 11:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 11:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 11:32	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 11:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 11:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 11:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 11:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 11:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 11:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 11:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 11:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 11:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 11:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 11:32	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 11:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 11:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 11:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 11:32	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 11:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 11:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 11:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 11:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 11:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 11:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 11:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 11:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 11:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 11:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 11:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 11:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 11:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 11:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/23/25 11:32*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716940/1002
Matrix: Water
Analysis Batch: 716940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	188		ug/L		94	43 - 150
Acrolein	500	419		ug/L		84	38 - 150
Acrylonitrile	500	516		ug/L		103	64 - 142
Benzene	50.0	48.8		ug/L		98	70 - 130
Bromobenzene	50.0	49.3		ug/L		99	70 - 132
Bromochloromethane	50.0	43.2		ug/L		86	70 - 130
Bromodichloromethane	50.0	45.6		ug/L		91	67 - 133
Bromoform	50.0	48.2		ug/L		96	57 - 140
Bromomethane	50.0	35.2		ug/L		70	10 - 150
2-Butanone (MEK)	200	233		ug/L		116	61 - 145
Carbon disulfide	50.0	47.0		ug/L		94	61 - 137
Carbon tetrachloride	50.0	43.2		ug/L		86	61 - 137
Chlorobenzene	50.0	49.1		ug/L		98	70 - 130
Chloroethane	50.0	40.4		ug/L		81	55 - 141
2-Chloroethyl vinyl ether	50.0	54.1		ug/L		108	10 - 150
Chloroform	50.0	43.0		ug/L		86	69 - 130
1-Chlorohexane	50.0	49.3		ug/L		99	69 - 130
Chloromethane	50.0	49.1		ug/L		98	58 - 137
cis-1,2-Dichloroethene	50.0	54.4		ug/L		109	68 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	69 - 132
Dibromochloromethane	50.0	47.3		ug/L		95	67 - 135
1,2-Dichlorobenzene	50.0	46.0		ug/L		92	67 - 130
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	50.9		ug/L		102	41 - 146
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	40.6		ug/L		81	69 - 130
1,1-Dichloroethene	50.0	40.1		ug/L		80	63 - 134
1,2-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130
2,2-Dichloropropane	50.0	42.0		ug/L		84	52 - 135
1,1-Dichloropropene	50.0	47.2		ug/L		94	70 - 130
Ethylbenzene	50.0	48.8		ug/L		98	70 - 130
Ethyl methacrylate	50.0	51.4		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	51.9		ug/L		104	53 - 140
2-Hexanone	200	215		ug/L		107	65 - 137
Isopropylbenzene	50.0	47.8		ug/L		96	70 - 130
Methylene bromide	50.0	44.1		ug/L		88	70 - 130
Methylene Chloride	50.0	48.3		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	187		ug/L		93	69 - 138
Methyl tert-butyl ether	50.0	44.4		ug/L		89	66 - 130
m-Xylene & p-Xylene	50.0	47.3		ug/L		95	70 - 130
Naphthalene	50.0	52.5		ug/L		105	47 - 149
n-Butylbenzene	50.0	49.6		ug/L		99	67 - 130
N-Propylbenzene	50.0	51.2		ug/L		102	70 - 130
o-Chlorotoluene	50.0	47.2		ug/L		94	70 - 130
o-Xylene	50.0	46.6		ug/L		93	70 - 130
p-Chlorotoluene	50.0	48.1		ug/L		96	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-716940/1002
Matrix: Water
Analysis Batch: 716940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	49.9		ug/L		100	65 - 130
sec-Butylbenzene	50.0	51.0		ug/L		102	66 - 130
Styrene	50.0	45.7		ug/L		91	70 - 130
tert-Butylbenzene	50.0	47.5		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.2		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	70 - 131
Tetrachloroethene	50.0	48.4		ug/L		97	65 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	51.6		ug/L		103	60 - 138
1,2,4-Trichlorobenzene	50.0	50.0		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	42.6		ug/L		85	68 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	47.6		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	39.8		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	51.6		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	50.4		ug/L		101	69 - 130
Vinyl acetate	100	104		ug/L		104	26 - 150
Vinyl chloride	50.0	52.1		ug/L		104	59 - 136
Xylenes, Total	100	93.9		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: MB 400-717227/4
Matrix: Water
Analysis Batch: 717227

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			07/25/25 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/25/25 09:53*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/25/25 09:53*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/25/25 09:53*	*1*

Lab Sample ID: LCS 400-717227/1002
Matrix: Water
Analysis Batch: 717227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.3		ug/L		99	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-717227/1002
Matrix: Water
Analysis Batch: 717227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		56 - 136
Dibromofluoromethane	92		79 - 130
Toluene-d8 (Surr)	100		64 - 132

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-716286/6
Matrix: Water
Analysis Batch: 716286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 12:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		50 - 150		07/17/25 12:17	1
Toluene-d8 (Surr)	98		50 - 150		07/17/25 12:17	1
4-Bromofluorobenzene	104		50 - 150		07/17/25 12:17	1

Lab Sample ID: LCS 400-716286/1004
Matrix: Water
Analysis Batch: 716286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.401		ug/L		80	50 - 150		
1,2-Dibromoethane			0.500	0.458		ug/L		92	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	93		50 - 150
Toluene-d8 (Surr)	101		50 - 150
4-Bromofluorobenzene	108		50 - 150

Lab Sample ID: MB 400-716932/6
Matrix: Water
Analysis Batch: 716932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/23/25 09:27	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/23/25 09:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	103		50 - 150		07/23/25 09:27	1
Toluene-d8 (Surr)	100		50 - 150		07/23/25 09:27	1
4-Bromofluorobenzene	103		50 - 150		07/23/25 09:27	1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-716932/1004
Matrix: Water
Analysis Batch: 716932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.413		ug/L		83	50 - 150		
1,2-Dibromoethane			0.500	0.486		ug/L		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*103*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/19/25 19:02	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/19/25 19:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzoic acid	ND		100	80	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/19/25 19:02	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/19/25 19:02	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/19/25 19:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/19/25 19:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/19/25 19:02	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/19/25 19:02	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/19/25 19:02	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylphenol	ND		10	0.76	ug/L		07/18/25 07:00	07/19/25 19:02	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/19/25 19:02	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/19/25 19:02	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitrophenol	ND		10	2.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/19/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*43 - 147*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorophenol	*97*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*22 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Phenol-d5	*83*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*28 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.2		ug/L		106	29 - 150
Aniline	33.3	40.9		ug/L		123	10 - 134
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	39.3		ug/L		118	31 - 150
Benzoic acid	214	ND		ug/L		25	10 - 180
Benzo[a]anthracene	33.3	38.8		ug/L		116	36 - 150
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Benzo[a]pyrene	33.3	39.3		ug/L		118	29 - 150
Bis(2-chloroethoxy)methane	33.3	41.2	*+	ug/L		124	34 - 120
Benzo[b]fluoranthene	33.3	42.4		ug/L		127	32 - 150
Bis(2-chloroethyl)ether	33.3	36.4		ug/L		109	32 - 114
Benzo[g,h,i]perylene	33.3	39.0		ug/L		117	28 - 150
bis (2-chloroisopropyl) ether	33.3	35.7		ug/L		107	32 - 115
Benzo[k]fluoranthene	33.3	38.7		ug/L		116	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	44.2		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	36.4		ug/L		109	24 - 120
Chrysene	33.3	36.2		ug/L		109	34 - 150
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140
Dibenz(a,h)anthracene	33.3	38.2		ug/L		115	29 - 150
4-Chloroaniline	33.3	36.9		ug/L		111	10 - 150
Fluoranthene	33.3	37.6		ug/L		113	30 - 150
4-Chloro-3-methylphenol	33.3	41.8		ug/L		125	10 - 137
Fluorene	33.3	37.2		ug/L		111	30 - 150
2-Chloronaphthalene	33.3	33.3		ug/L		100	10 - 150
2-Chlorophenol	33.3	38.7		ug/L		116	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	37.9		ug/L		114	28 - 150
1-Methylnaphthalene	33.3	32.9		ug/L		99	25 - 150
4-Chlorophenyl phenyl ether	33.3	36.8	*+	ug/L		111	31 - 110
2-Methylnaphthalene	33.3	31.6		ug/L		95	24 - 150
Dibenz[a,h]acridine	49.9	52.0		ug/L		104	40 - 150
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	35.3		ug/L		106	10 - 150
Phenanthrene	33.3	37.4		ug/L		112	32 - 150
2,4-Dichlorophenol	33.3	40.0		ug/L		120	30 - 125
Pyrene	33.3	38.2		ug/L		114	30 - 150
Diethyl phthalate	33.3	28.5		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	37.9		ug/L		114	10 - 142
Dimethyl phthalate	33.3	28.5		ug/L		85	24 - 125
Di-n-butyl phthalate	33.3	33.6		ug/L		101	30 - 127
4,6-Dinitro-ortho-cresol	66.7	81.4		ug/L		122	10 - 150
2,4-Dinitrophenol	66.7	84.7		ug/L		127	10 - 150
2,4-Dinitrotoluene	33.3	42.2		ug/L		127	30 - 129
2,6-Dinitrotoluene	33.3	41.4		ug/L		124	34 - 132
Di-n-octyl phthalate	33.3	42.3		ug/L		127	28 - 142
1,4-Dioxane	33.3	39.7		ug/L		119	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.3		ug/L		118	29 - 121
Hexachlorobenzene	33.3	38.2	*+	ug/L		115	29 - 113
Hexachlorocyclopentadiene	33.3	26.0		ug/L		78	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	33.3	26.1		ug/L		78	10 - 112
Indene	50.0	35.8		ug/L		72	10 - 113
Isophorone	33.3	39.1		ug/L		117	29 - 125
2-Methylphenol	33.3	45.2	*+	ug/L		136	11 - 121
3 & 4 Methylphenol	33.3	48.0		ug/L		144	10 - 150
2-Nitroaniline	33.3	43.2		ug/L		130	31 - 141
3-Nitroaniline	33.3	37.3		ug/L		112	33 - 136
4-Nitroaniline	33.3	42.0		ug/L		126	37 - 139
Nitrobenzene	33.3	37.6		ug/L		113	29 - 129
2-Nitrophenol	33.3	40.3		ug/L		121	31 - 142
4-Nitrophenol	66.7	106	*+	ug/L		160	10 - 150
N-Nitrosodimethylamine	33.3	40.2		ug/L		121	10 - 136
N-Nitrosodi-n-propylamine	33.3	38.0		ug/L		114	53 - 134
N-Nitrosodiphenylamine	33.1	38.1		ug/L		115	62 - 132
Pentachlorophenol	66.7	84.4		ug/L		127	14 - 150
Phenol	33.3	47.4		ug/L		142	10 - 150
Pyridine	66.7	58.4		ug/L		88	10 - 150
Quinoline	49.9	48.0		ug/L		96	50 - 150
2,4,5-Trichlorophenol	33.3	39.1		ug/L		117	27 - 136
2,4,6-Trichlorophenol	33.3	40.2		ug/L		121	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*102*		*50 - 150*
Terphenyl-d14	*94*		*43 - 147*
2-Fluorobiphenyl	*89*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*102*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*94*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-716503/49-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	35.3		ug/L		71	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*101*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*91*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	36.0		ug/L		108	29 - 150	2	40
Aniline			33.3	39.9		ug/L		120	10 - 134	2	40
Acenaphthylene			33.3	37.1		ug/L		111	30 - 150	2	40
Anthracene			33.3	38.2		ug/L		115	31 - 150	3	40
Benzoic acid			214	87.9	J *1	ug/L		41	10 - 180	49	40
Benzo[a]anthracene			33.3	38.9		ug/L		117	36 - 150	0	40
Benzyl alcohol			33.3	44.7		ug/L		134	10 - 150	0	40
Benzo[a]pyrene			33.3	36.4		ug/L		109	29 - 150	8	40
Bis(2-chloroethoxy)methane			33.3	41.5	*+	ug/L		125	34 - 120	1	40
Benzo[b]fluoranthene			33.3	38.6		ug/L		116	32 - 150	9	40
Bis(2-chloroethyl)ether			33.3	36.7		ug/L		110	32 - 114	1	40
Benzo[g,h,i]perylene			33.3	36.4		ug/L		109	28 - 150	7	40
bis (2-chloroisopropyl) ether			33.3	35.6		ug/L		107	32 - 115	0	40
Benzo[k]fluoranthene			33.3	37.0		ug/L		111	30 - 150	4	40
Bis(2-ethylhexyl) phthalate			33.3	45.2	*+	ug/L		136	24 - 133	2	40
4-Bromophenyl phenyl ether			33.3	36.0		ug/L		108	24 - 120	1	40
Chrysene			33.3	36.6		ug/L		110	34 - 150	1	40
Butyl benzyl phthalate			33.3	35.3		ug/L		106	24 - 140	0	40
Dibenz(a,h)anthracene			33.3	35.8		ug/L		107	29 - 150	6	40
4-Chloroaniline			33.3	36.8		ug/L		110	10 - 150	0	40
Fluoranthene			33.3	36.8		ug/L		110	30 - 150	2	40
4-Chloro-3-methylphenol			33.3	42.0		ug/L		126	10 - 137	0	40
Fluorene			33.3	37.8		ug/L		113	30 - 150	2	40
2-Chloronaphthalene			33.3	32.6		ug/L		98	10 - 150	2	40
2-Chlorophenol			33.3	40.4		ug/L		121	28 - 127	4	40
Indeno[1,2,3-cd]pyrene			33.3	35.7		ug/L		107	28 - 150	6	40
1-Methylnaphthalene			33.3	33.3		ug/L		100	25 - 150	1	40
4-Chlorophenyl phenyl ether			33.3	37.1	*+	ug/L		111	31 - 110	1	40
2-Methylnaphthalene			33.3	31.7		ug/L		95	24 - 150	0	40
Dibenz[a,h]acridine			49.9	50.7		ug/L		102	40 - 150	3	40
Dibenzofuran			33.3	36.0		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine			33.3	35.6		ug/L		107	10 - 150	1	40
Phenanthrene			33.3	37.1		ug/L		111	32 - 150	1	40
2,4-Dichlorophenol			33.3	39.3		ug/L		118	30 - 125	2	40
Pyrene			33.3	37.4		ug/L		112	30 - 150	2	40
Diethyl phthalate			33.3	29.0		ug/L		87	31 - 118	2	40
2,4-Dimethylphenol			33.3	38.3		ug/L		115	10 - 142	1	40
Dimethyl phthalate			33.3	28.9		ug/L		87	24 - 125	1	40
Di-n-butyl phthalate			33.3	33.2		ug/L		100	30 - 127	1	40
4,6-Dinitro-ortho-cresol			66.7	83.5		ug/L		125	10 - 150	3	40
2,4-Dinitrophenol			66.7	87.7		ug/L		132	10 - 150	4	40
2,4-Dinitrotoluene			33.3	42.3		ug/L		127	30 - 129	0	40
2,6-Dinitrotoluene			33.3	42.0		ug/L		126	34 - 132	1	40
Di-n-octyl phthalate			33.3	43.4		ug/L		130	28 - 142	3	40
1,4-Dioxane			33.3	41.5		ug/L		124	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	39.8		ug/L		119	29 - 121	1	40
Hexachlorobenzene			33.3	38.0	*+	ug/L		114	29 - 113	1	40
Hexachlorocyclopentadiene			33.3	28.4		ug/L		85	10 - 150	9	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	26.5		ug/L		80	10 - 112	1	40
Indene			50.0	35.6		ug/L		71	10 - 113	1	40
Isophorone			33.3	39.4		ug/L		118	29 - 125	1	40
2-Methylphenol			33.3	44.1	*+	ug/L		132	11 - 121	2	40
3 & 4 Methylphenol			33.3	48.6		ug/L		146	10 - 150	1	40
2-Nitroaniline			33.3	44.3		ug/L		133	31 - 141	3	40
3-Nitroaniline			33.3	38.3		ug/L		115	33 - 136	3	40
4-Nitroaniline			33.3	42.6		ug/L		128	37 - 139	1	40
Nitrobenzene			33.3	37.8		ug/L		113	29 - 129	1	40
2-Nitrophenol			33.3	41.2		ug/L		124	31 - 142	2	40
4-Nitrophenol			66.7	109	*+	ug/L		163	10 - 150	2	40
N-Nitrosodimethylamine			33.3	41.1		ug/L		123	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	40.4		ug/L		121	53 - 134	6	40
N-Nitrosodiphenylamine			33.1	38.5		ug/L		116	62 - 132	1	40
Pentachlorophenol			66.7	84.7		ug/L		127	14 - 150	0	40
Phenol			33.3	47.7		ug/L		143	10 - 150	1	40
Pyridine			66.7	66.7		ug/L		100	10 - 150	13	40
Quinoline			49.9	48.5		ug/L		97	50 - 150	1	40
2,4,5-Trichlorophenol			33.3	40.9		ug/L		123	27 - 136	4	40
2,4,6-Trichlorophenol			33.3	40.7		ug/L		122	21 - 132	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*15 - 150*
Nitrobenzene-d5	*107*		*50 - 150*
Terphenyl-d14	*97*		*43 - 147*
2-Fluorobiphenyl	*92*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*107*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*97*		*28 - 150*
2,4,6-Tribromophenol	*113*		*10 - 150*

Lab Sample ID: LCSD 400-716503/50-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	41.3		ug/L		83	10 - 150	16	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*109*		*22 - 150*
Phenol-d5	*110*		*10 - 150*
Terphenyl-d14	*101*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/15/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __2___
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): S.McLean, T.Jenkins

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 1.0, 4.6 IR10

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071525-8260-A	7/15/2025	0000	Water	2					2	X			
	TB-ROX-071525-8260SIM-A	7/15/2025	0000	Water	2					2		X		
	MW2-ROX-071525-EB	7/15/2025	0835	Water	6			4		10	X	X	X	X
	MW2-ROX-071525	7/15/2025	1030	Water	6			4		10	X	X	X	X
	MW24-ROX-071525	7/15/2025	1215	Water	6			4		10	X	X	X	X
	MW22-ROX-071525	7/15/2025	1335	Water	6			4		10	X	X	X	X

400-279298 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9605 3138/ 4234 9605 3194	7/15/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/16/25	Time: 937
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version 19Sept24

CUSTODY SEALS: 16817118/ 1681719/ 168720/ 168721

7/30/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/15/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Mary Massa

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071525-8260-B	7/15/2025	0000	Water	2					2	X			
	TB-ROX-071525-8260SIM-B	7/15/2025	0000	Water	2					2		X		
	MW4-ROX-071525-EB	7/15/2025	0755	Water	6			4		10	X	X	X	X
	MW4-ROX-071525	7/15/2025	0830	Water	6			4		10	X	X	X	X
	MW25-ROX-071525	7/15/2025	0920	Water	6			4		10	X	X	X	X
	MW25-ROX-071525-DUP	7/15/2025	0920	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/15/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/16/25	Time: 937
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version 19Sept24

CUSTODY SEALS: See page 1 of 2.

7/30/2025

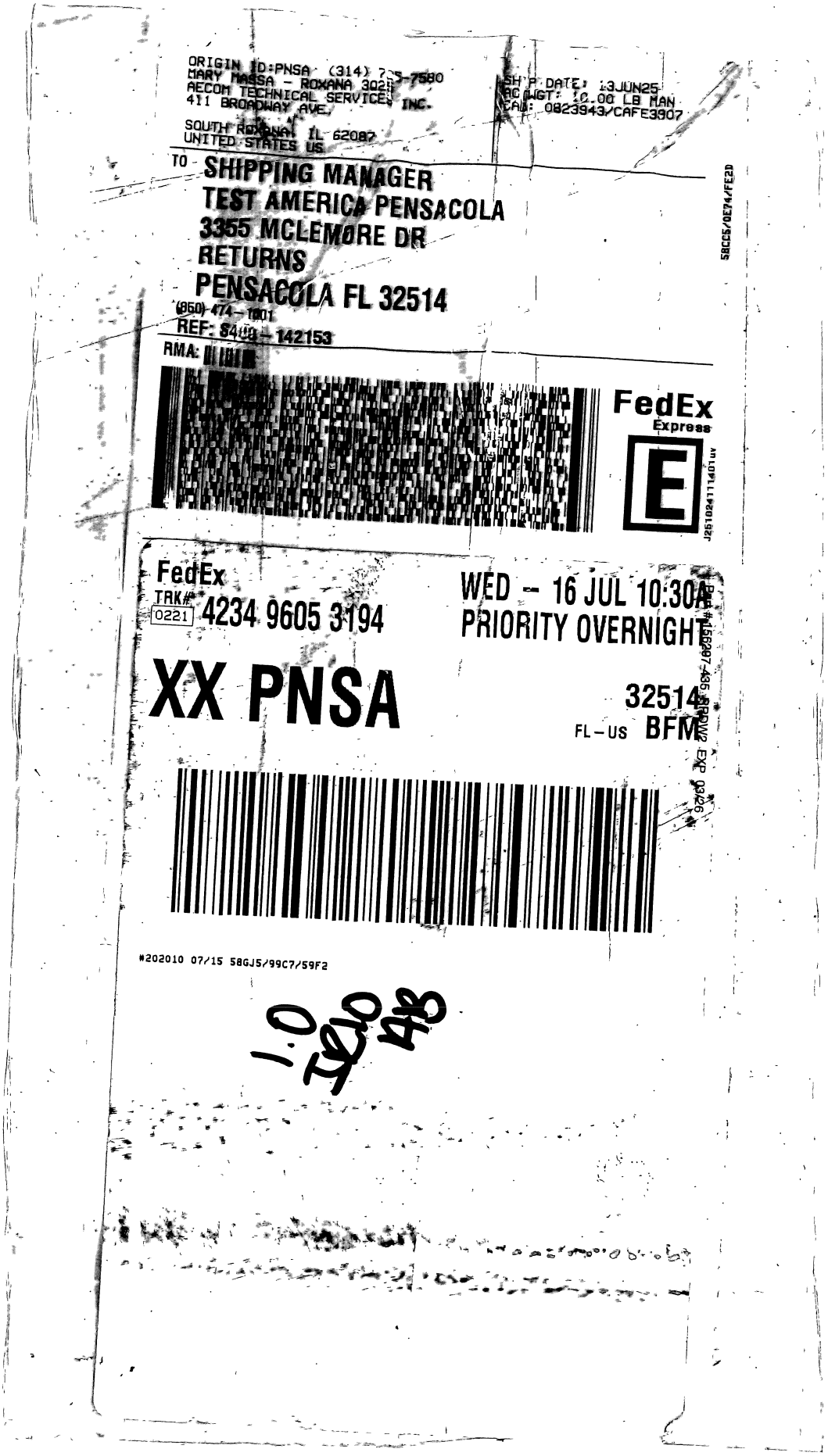
Sample Control Checklist

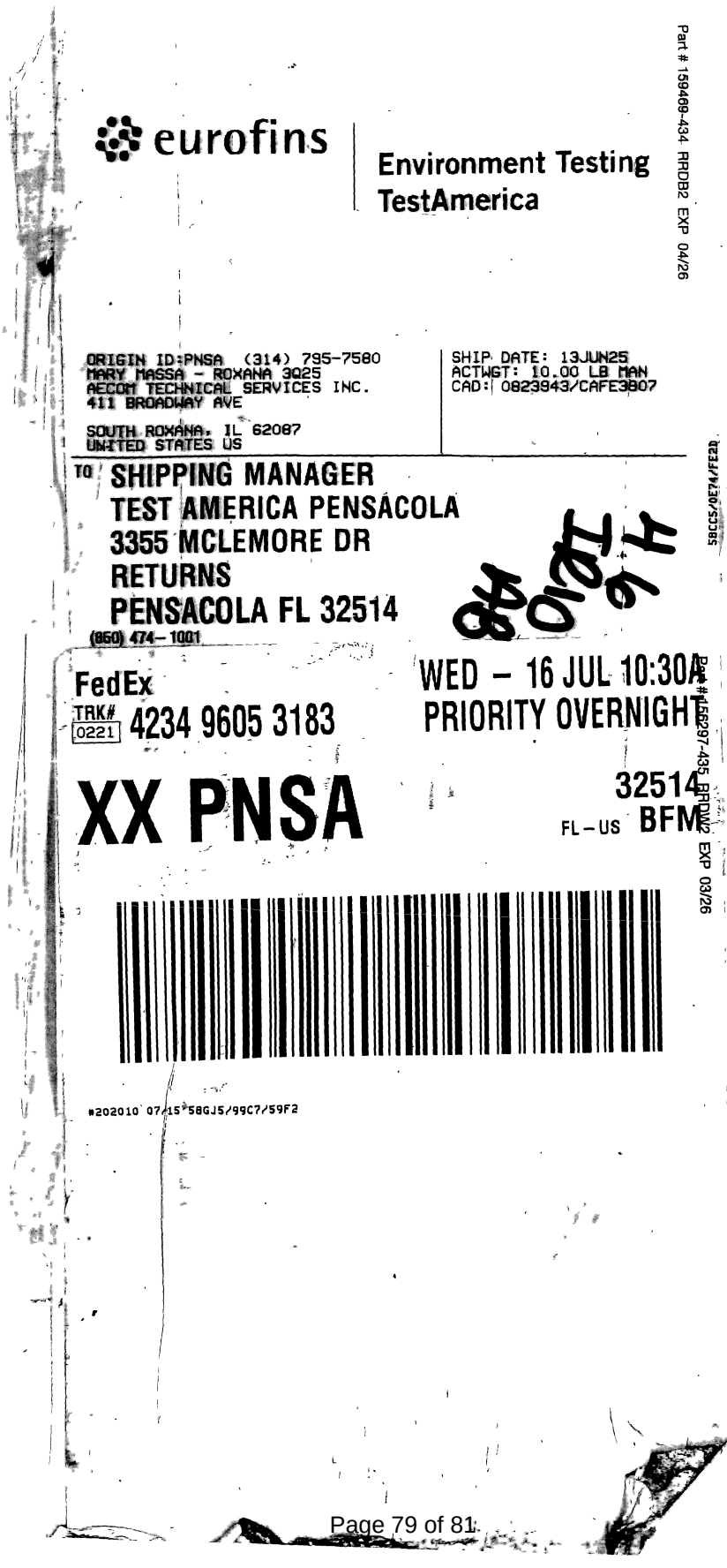
400-279298 Login
PM: Klingensmith, Leah
Company: AECOM

Inspected by: AB
Labeled by: [illegible] [illegible]
2nd Review: [illegible]
Sample Storage: [illegible]
COC Signed/Dated: AB
COC Temp/IR Gun Listed: AB

Logged by: AB

Notes:


ORIGIN ID:PNSA (314) 7[illegible]-7580
MARY MASSA - ROXANA 3021
AECOM TECHNICAL SERVICES, INC.
411 BROADWAY AVE.
SOUTH ROXANA IL 62087
UNITED STATES US
SHIP DATE: 13JUN25
ACTWGT: 10.00 LB MAN
CAD: 0823943/CAFE3907
TO SHIPPING MANAGER
TEST AMERICA PENSACOLA
3355 MCLEMORE DR
RETURNS
PENSACOLA FL 32514
(850) 474-1001
REF: 540-142153
RMA:
FedEx
Express
FedEx
TRK# 0221 4234 9605 3194
WED - 16 JUL 10:30A
PRIORITY OVERNIGHT
XX PNSA
32514
FL-US BFM
#202010 07/15 58GJ5/99C7/59F2
1.0 LBS
5BCC5/0E74/FE2D
J2510241111401un
Ref #156907-496 PRDW2 EXP 0826



eurofins | Environment Testing TestAmerica

Part # 159469-434 RRDB2 EXP 04/26

ORIGIN ID:PNSA (314) 795-7580
MARY MASSA - ROXANA 3Q25
AECOM TECHNICAL SERVICES INC.
411 BROADWAY AVE
SOUTH ROXANA, IL 62087
UNITED STATES US

SHIP DATE: 13JUN25
ACTWGT: 10.00 LB MAN
CAD: 0823943/CAFE3807

TO SHIPPING MANAGER
TEST AMERICA PENSACOLA
3355 MCLEMORE DR
RETURNS
PENSACOLA FL 32514
(850) 474-1001

FedEx
TRK# 0221 4234 9605 3183

WED - 16 JUL 10:30A
PRIORITY OVERNIGHT

XX PNSA

32514
FL-US BFM

#202010 07/15 58GJ5/99C7/59F2

Part # 156297-435 RRDW2 EXP 03/26

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279298-1

Login Number: 279298
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C, 4.6°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-283673-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/2/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/15/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW10-ROX-100625 MS/MSD	VOCs	Acrolein	**160/152**	5	40-150/20
MW10-ROX-100625 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	52-136/20
MW10-ROX-100625 MS/MSD	VOCs	1,1-Dichloroethene	**124**/116	7	67-122/20
MW10-ROX-100625 MS/MSD	VOCs	1,1-Dichloropropene	**125**/119	5	70-121/20
MW10-ROX-100625 MS/MSD	VOCs	Trichloroethene	**127**/122	4	70-125/20
MW10-ROX-100625 MS/MSD	VOCs	Trichlorofluoromethane	**137/132**	4	55-128/20
MW10-ROX-100625 MS/MSD	VOCs	1,2,3-Trichlorobenzene	62/80	**25**	51-145/20

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-100625	VOCs	2-Chloroethyl vinyl ether	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 500-838029/4 LCSD 500-8538029/5	VOCs	Acrolein	**183/173**	6	40-150/20
		1,2,3-Trichlorobenzene	71/92	**26**	51-145/20
		Trichloroethene	125/128	2	70-125/20
LCS 400-726052/2-A	SVOCs	2-Chloronaphthalene	154	NA	10-150

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics**		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				

Method 8260D (VOCs)

The initial calibration verification (ICV) and continuing calibration verification (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW9-ROX-100625	VOCs	Acrolein	UJ
MW9-ROX-100625	VOCs	Bromomethane	UJ
MW9-ROX-100625	VOCs	Chloromethane	UJ
MW9-ROX-100625	VOCs	Dichlorodifluoromethane	UJ
MW9-ROX-100625	VOCs	2-Hexanone	UJ
MW9-ROX-100625	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW9-ROX-100625	VOCs	Naphthalene	UJ
MW9-ROX-100625	VOCs	1,2,3-Trichlorobenzene	UJ
MW10-ROX-100625	VOCs	Acrolein	UJ
MW10-ROX-100625	VOCs	Bromomethane	UJ
MW10-ROX-100625	VOCs	Chloromethane	UJ
MW10-ROX-100625	VOCs	Dichlorodifluoromethane	UJ
MW10-ROX-100625	VOCs	2-Hexanone	UJ
MW10-ROX-100625	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW10-ROX-100625	VOCs	Naphthalene	UJ
MW10-ROX-100625	VOCs	1,2,3-Trichlorobenzene	UJ
MW11-ROX-100625	VOCs	Acrolein	UJ
MW11-ROX-100625	VOCs	Bromomethane	UJ
MW11-ROX-100625	VOCs	Chloromethane	UJ
MW11-ROX-100625	VOCs	Dichlorodifluoromethane	UJ
MW11-ROX-100625	VOCs	2-Hexanone	UJ
MW11-ROX-100625	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW11-ROX-100625	VOCs	Naphthalene	UJ
MW11-ROX-100625	VOCs	1,2,3-Trichlorobenzene	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The continuing calibration verification (CCV) for several analytes was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples	X			

Sample ID	Parameter	Analyte	Qualification
MW9-ROX-100625	SVOCs	Pyridine	UJ
MW9-ROX-100625	SVOCs	Nitrobenzene	UJ
MW9-ROX-100625	SVOCs	2-Nitrophenol	UJ
MW9-ROX-100625	SVOCs	2,6-Dinitrotoluene	UJ
MW9-ROX-100625	SVOCs	2,4-Dinitrotoluene	UJ
MW9-ROX-100625	SVOCs	4,6-Dinitro-ortho-cresol	UJ
MW10-ROX-100625	SVOCs	Pyridine	UJ
MW10-ROX-100625	SVOCs	Nitrobenzene	UJ
MW10-ROX-100625	SVOCs	2-Nitrophenol	UJ
MW10-ROX-100625	SVOCs	2,6-Dinitrotoluene	UJ
MW10-ROX-100625	SVOCs	2,4-Dinitrotoluene	UJ
MW10-ROX-100625	SVOCs	4,6-Dinitro-ortho-cresol	UJ
MW11-ROX-100625	SVOCs	Pyridine	UJ
MW11-ROX-100625	SVOCs	Nitrobenzene	UJ
MW11-ROX-100625	SVOCs	2-Nitrophenol	UJ
MW11-ROX-100625	SVOCs	2,6-Dinitrotoluene	UJ
MW11-ROX-100625	SVOCs	2,4-Dinitrotoluene	UJ
MW11-ROX-100625	SVOCs	4,6-Dinitro-ortho-cresol	UJ
MW9-ROX-100625	SVOCs	Benzenethiol	UJ
MW10-ROX-100625	SVOCs	Benzenethiol	UJ
MW11-ROX-100625	SVOCs	Benzenethiol	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	were within the applicable acceptance limits.				
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/21/2025 7:22:08 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283673-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

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Authorization



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Job Narrative
400-283673-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/7/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838029 was above the method criteria for the following analyte(s): Acrolein, Bromochloromethane, Methylene bromide and Trichloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838029 was below the method criteria for the following analyte(s): Bromomethane, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Naphthalene and 1,2,3-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 500-838029 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-838029 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 500-838029 recovered outside control limits for the following analytes: Acrolein and Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726376 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726376 recovered outside acceptance criteria, low biased, for Benzenethiol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726376 recovered outside acceptance criteria, low biased, for 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Nitrobenzene and Pyridine. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-726052 and analytical batch 400-726376 recovered outside control limits for the following analytes: 2-Chloronaphthalene. These analytes were biased high in the LCS and

Job ID: 400-283673-1 (Continued) Eurofins Pensacola

were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283673-1	TB-ROX-100625-8260	Water	10/06/25 00:00	10/07/25 09:50	Illinois
400-283673-2	TB-ROX-100625-8260-SIM	Water	10/06/25 00:00	10/07/25 09:50	Illinois
400-283673-3	MW9-ROX-100625-EB	Water	10/06/25 08:50	10/07/25 09:50	Illinois
400-283673-4	MW9-ROX-100625	Water	10/06/25 10:40	10/07/25 09:50	Illinois
400-283673-5	MW10-ROX-100625	Water	10/06/25 11:55	10/07/25 09:50	Illinois
400-283673-6	MW11-ROX-100625	Water	10/06/25 13:35	10/07/25 09:50	Illinois

Detection Summary

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100625-8260 — Lab Sample ID: 400-283673-1

No Detections.

Client Sample ID: TB-ROX-100625-8260-SIM — Lab Sample ID: 400-283673-2

No Detections.

Client Sample ID: MW9-ROX-100625-EB — Lab Sample ID: 400-283673-3

No Detections.

Client Sample ID: MW9-ROX-100625 — Lab Sample ID: 400-283673-4

No Detections.

Client Sample ID: MW10-ROX-100625 — Lab Sample ID: 400-283673-5

No Detections.

Client Sample ID: MW11-ROX-100625 — Lab Sample ID: 400-283673-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: TB-ROX-100625-8260
Date Collected: 10/06/25 00:00
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 14:43	1
Acrolein	ND	*+	100	35	ug/L			10/14/25 14:43	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 14:43	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 14:43	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 14:43	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 14:43	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 14:43	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 14:43	1
Bromomethane	ND		3.0	1.8	ug/L			10/14/25 14:43	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 14:43	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 14:43	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 14:43	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 14:43	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 14:43	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/14/25 14:43	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 14:43	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 14:43	1
Chloromethane	ND		5.0	0.79	ug/L			10/14/25 14:43	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 14:43	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 14:43	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/14/25 14:43	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 14:43	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 14:43	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 14:43	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/14/25 14:43	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 14:43	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 14:43	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/14/25 14:43	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 14:43	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 14:43	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 14:43	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/14/25 14:43	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 14:43	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 14:43	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 14:43	1
2-Hexanone	ND		5.0	2.2	ug/L			10/14/25 14:43	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 14:43	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 14:43	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/14/25 14:43	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 14:43	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 14:43	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 14:43	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 14:43	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 14:43	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 14:43	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 14:43	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 14:43	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 14:43	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: TB-ROX-100625-8260
Date Collected: 10/06/25 00:00
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 14:43	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 14:43	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 14:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 14:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 14:43	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 14:43	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 14:43	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 14:43	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 14:43	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.35	ug/L			10/14/25 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 14:43	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 14:43	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 14:43	1
Trichloroethene	ND	*+	0.50	0.15	ug/L			10/14/25 14:43	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/14/25 14:43	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 14:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 14:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 14:43	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 14:43	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 14:43	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/14/25 14:43*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*10/14/25 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/14/25 14:43*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*10/14/25 14:43*	*1*

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100625-8260-SIM
Lab Sample ID: 400-283673-2
Date Collected: 10/06/25 00:00
Matrix: Water
Date Received: 10/07/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 13:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/15/25 13:25*	*1*
Toluene-d8 (Surr)	*91*		*50 - 150*		*10/15/25 13:25*	*1*
4-Bromofluorobenzene	*93*		*50 - 150*		*10/15/25 13:25*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW9-ROX-100625-EB

Date Collected: 10/06/25 08:50
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 13:48	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/15/25 13:48*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/15/25 13:48*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/15/25 13:48*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 15:09	1
Acrolein	ND	*+	100	35	ug/L			10/14/25 15:09	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 15:09	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 15:09	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 15:09	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 15:09	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 15:09	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 15:09	1
Bromomethane	ND		3.0	1.8	ug/L			10/14/25 15:09	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 15:09	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 15:09	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 15:09	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 15:09	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 15:09	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/14/25 15:09	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 15:09	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 15:09	1
Chloromethane	ND		5.0	0.79	ug/L			10/14/25 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 15:09	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/14/25 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 15:09	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/14/25 15:09	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 15:09	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 15:09	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/14/25 15:09	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 15:09	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 15:09	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 15:09	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/14/25 15:09	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 15:09	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 15:09	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 15:09	1
2-Hexanone	ND		5.0	2.2	ug/L			10/14/25 15:09	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 15:09	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 15:09	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/14/25 15:09	1

Client Sample ID: MW9-ROX-100625-EB
Date Collected: 10/06/25 08:50
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 15:09	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 15:09	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 15:09	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 15:09	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 15:09	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 15:09	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 15:09	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 15:09	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 15:09	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 15:09	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 15:09	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 15:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 15:09	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 15:09	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 15:09	1
1,2,3-Trichlorobenzene	ND	*1	1.0	0.35	ug/L			10/14/25 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 15:09	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 15:09	1
Trichloroethene	ND	*+	0.50	0.15	ug/L			10/14/25 15:09	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/14/25 15:09	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 15:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 15:09	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 15:09	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 15:09	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/14/25 15:09*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/14/25 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/14/25 15:09*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*10/14/25 15:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/08/25 10:18	10/10/25 18:20	1
Aniline	ND		10	0.75	ug/L		10/08/25 10:18	10/10/25 18:20	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzenethiol	ND		10	0.61	ug/L		10/08/25 10:18	10/10/25 18:20	1
Anthracene	ND		0.20	0.074	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzoic acid	ND		100	81	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzyl alcohol	ND		35	30	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 18:20	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/08/25 10:18	10/10/25 18:20	1

Client Sample ID: MW9-ROX-100625-EB
Date Collected: 10/06/25 08:50
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/08/25 10:18	10/10/25 18:20	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/08/25 10:18	10/10/25 18:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 18:20	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/08/25 10:18	10/10/25 18:20	1
Chrysene	ND		0.20	0.039	ug/L		10/08/25 10:18	10/10/25 18:20	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Chloroaniline	ND		10	0.59	ug/L		10/08/25 10:18	10/10/25 18:20	1
Fluoranthene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 18:20	1
Fluorene	ND		0.20	0.088	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Chlorophenol	ND		10	0.85	ug/L		10/08/25 10:18	10/10/25 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 18:20	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/08/25 10:18	10/10/25 18:20	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/08/25 10:18	10/10/25 18:20	1
Dibenzofuran	ND		10	0.65	ug/L		10/08/25 10:18	10/10/25 18:20	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/08/25 10:18	10/10/25 18:20	1
Phenanthrene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/08/25 10:18	10/10/25 18:20	1
Pyrene	ND		0.20	0.096	ug/L		10/08/25 10:18	10/10/25 18:20	1
Diethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 18:20	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/08/25 10:18	10/10/25 18:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/08/25 10:18	10/10/25 18:20	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
1,4-Dioxane	ND		10	4.3	ug/L		10/08/25 10:18	10/10/25 18:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/08/25 10:18	10/10/25 18:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/08/25 10:18	10/10/25 18:20	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/08/25 10:18	10/10/25 18:20	1
Hexachloroethane	ND		10	0.54	ug/L		10/08/25 10:18	10/10/25 18:20	1
Indene	ND		10	0.44	ug/L		10/08/25 10:18	10/10/25 18:20	1
Isophorone	ND		10	0.81	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Methylphenol	ND		10	0.77	ug/L		10/08/25 10:18	10/10/25 18:20	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Nitroaniline	ND		10	1.4	ug/L		10/08/25 10:18	10/10/25 18:20	1
3-Nitroaniline	ND		10	0.96	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Nitroaniline	ND		10	3.5	ug/L		10/08/25 10:18	10/10/25 18:20	1
Nitrobenzene	ND		10	0.61	ug/L		10/08/25 10:18	10/10/25 18:20	1
2-Nitrophenol	ND		10	1.2	ug/L		10/08/25 10:18	10/10/25 18:20	1
4-Nitrophenol	ND		10	2.8	ug/L		10/08/25 10:18	10/10/25 18:20	1

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW9-ROX-100625-EB
Lab Sample ID: 400-283673-3
Date Collected: 10/06/25 08:50
Matrix: Water
Date Received: 10/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/08/25 10:18	10/10/25 18:20	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/08/25 10:18	10/10/25 18:20	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/08/25 10:18	10/10/25 18:20	1
Pentachlorophenol	ND		10	2.8	ug/L		10/08/25 10:18	10/10/25 18:20	1
Phenol	ND		10	0.69	ug/L		10/08/25 10:18	10/10/25 18:20	1
Pyridine	ND		10	3.0	ug/L		10/08/25 10:18	10/10/25 18:20	1
Quinoline	ND		10	0.51	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/08/25 10:18	10/10/25 18:20	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/08/25 10:18	10/10/25 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
Terphenyl-d14	*84*		*43 - 147*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
2-Fluorophenol	*89*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
Nitrobenzene-d5	*82*		*22 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
Phenol-d5	*86*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
Terphenyl-d14	*84*		*28 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:20*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW9-ROX-100625

Date Collected: 10/06/25 10:40
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 15:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/15/25 15:22*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/15/25 15:22*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/15/25 15:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 18:15	1
Acrolein	ND	*+ UJ	100	35	ug/L			10/14/25 18:15	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 18:15	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 18:15	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 18:15	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 18:15	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 18:15	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 18:15	1
Bromomethane	ND	UJ	3.0	1.8	ug/L			10/14/25 18:15	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 18:15	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 18:15	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 18:15	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 18:15	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 18:15	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/14/25 18:15	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 18:15	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 18:15	1
Chloromethane	ND	UJ	5.0	0.79	ug/L			10/14/25 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 18:15	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/14/25 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 18:15	1
Dichlorodifluoromethane	ND	UJ	3.0	1.8	ug/L			10/14/25 18:15	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 18:15	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 18:15	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/14/25 18:15	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 18:15	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 18:15	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 18:15	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/14/25 18:15	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 18:15	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 18:15	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 18:15	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/14/25 18:15	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 18:15	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 18:15	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 18:15	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/14/25 18:15	1

Client Sample ID: MW9-ROX-100625
Date Collected: 10/06/25 10:40
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 18:15	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 18:15	1
Naphthalene	ND	UJ	1.0	0.44	ug/L			10/14/25 18:15	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 18:15	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 18:15	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 18:15	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 18:15	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 18:15	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 18:15	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 18:15	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 18:15	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 18:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 18:15	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 18:15	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 18:15	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 18:15	1
1,2,3-Trichlorobenzene	ND	*1 UJ	1.0	0.35	ug/L			10/14/25 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 18:15	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 18:15	1
Trichloroethene	ND	*+	0.50	0.15	ug/L			10/14/25 18:15	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/14/25 18:15	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 18:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 18:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 18:15	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 18:15	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 18:15	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/14/25 18:15*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*10/14/25 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/14/25 18:15*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*10/14/25 18:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/08/25 10:18	10/10/25 18:50	1
Aniline	ND		10	0.76	ug/L		10/08/25 10:18	10/10/25 18:50	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzenethiol	ND	UJ	10	0.61	ug/L		10/08/25 10:18	10/10/25 18:50	1
Anthracene	ND		0.20	0.074	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzoic acid	ND		100	82	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzyl alcohol	ND		36	31	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/08/25 10:18	10/10/25 18:50	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/08/25 10:18	10/10/25 18:50	1

Client Sample ID: MW9-ROX-100625
Date Collected: 10/06/25 10:40
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/08/25 10:18	10/10/25 18:50	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/08/25 10:18	10/10/25 18:50	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/08/25 10:18	10/10/25 18:50	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/08/25 10:18	10/10/25 18:50	1
Chrysene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 18:50	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Chloroaniline	ND		10	0.59	ug/L		10/08/25 10:18	10/10/25 18:50	1
Fluoranthene	ND		0.20	0.033	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 18:50	1
Fluorene	ND		0.20	0.089	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Chloronaphthalene	ND	*+	10	0.39	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Chlorophenol	ND		10	0.86	ug/L		10/08/25 10:18	10/10/25 18:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/08/25 10:18	10/10/25 18:50	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/08/25 10:18	10/10/25 18:50	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/08/25 10:18	10/10/25 18:50	1
Dibenzofuran	ND		10	0.65	ug/L		10/08/25 10:18	10/10/25 18:50	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/08/25 10:18	10/10/25 18:50	1
Phenanthrene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/08/25 10:18	10/10/25 18:50	1
Pyrene	ND		0.20	0.097	ug/L		10/08/25 10:18	10/10/25 18:50	1
Diethyl phthalate	ND		10	4.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 18:50	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/08/25 10:18	10/10/25 18:50	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4-Dinitrophenol	ND		31	4.8	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4-Dinitrotoluene	ND	UJ	10	0.66	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,6-Dinitrotoluene	ND	UJ	10	0.30	ug/L		10/08/25 10:18	10/10/25 18:50	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
1,4-Dioxane	ND		10	4.4	ug/L		10/08/25 10:18	10/10/25 18:50	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/08/25 10:18	10/10/25 18:50	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/08/25 10:18	10/10/25 18:50	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/08/25 10:18	10/10/25 18:50	1
Hexachloroethane	ND		10	0.54	ug/L		10/08/25 10:18	10/10/25 18:50	1
Indene	ND		10	0.45	ug/L		10/08/25 10:18	10/10/25 18:50	1
Isophorone	ND		10	0.82	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Methylphenol	ND		10	0.78	ug/L		10/08/25 10:18	10/10/25 18:50	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Nitroaniline	ND		10	1.4	ug/L		10/08/25 10:18	10/10/25 18:50	1
3-Nitroaniline	ND		10	0.97	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Nitroaniline	ND		10	3.6	ug/L		10/08/25 10:18	10/10/25 18:50	1
Nitrobenzene	ND	UJ	10	0.61	ug/L		10/08/25 10:18	10/10/25 18:50	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		10/08/25 10:18	10/10/25 18:50	1
4-Nitrophenol	ND		10	2.8	ug/L		10/08/25 10:18	10/10/25 18:50	1

Client Sample ID: MW9-ROX-100625
Lab Sample ID: 400-283673-4
Date Collected: 10/06/25 10:40
Matrix: Water
Date Received: 10/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/08/25 10:18	10/10/25 18:50	1
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/08/25 10:18	10/10/25 18:50	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/08/25 10:18	10/10/25 18:50	1
Pentachlorophenol	ND		10	2.9	ug/L		10/08/25 10:18	10/10/25 18:50	1
Phenol	ND		10	0.69	ug/L		10/08/25 10:18	10/10/25 18:50	1
Pyridine	ND	UJ	10	3.1	ug/L		10/08/25 10:18	10/10/25 18:50	1
Quinoline	ND		10	0.51	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/08/25 10:18	10/10/25 18:50	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/08/25 10:18	10/10/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*15 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
2-Fluorobiphenyl	*92*		*25 - 139*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
2-Fluorophenol	*84*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
Phenol-d5	*81*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
Terphenyl-d14	*60*		*28 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/08/25 10:18*	*10/10/25 18:50*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW10-ROX-100625

Date Collected: 10/06/25 11:55
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 14:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/15/25 14:12*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/15/25 14:12*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/15/25 14:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 18:41	1
Acrolein	ND	*+ F1 UJ	100	35	ug/L			10/14/25 18:41	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 18:41	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 18:41	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 18:41	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 18:41	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 18:41	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 18:41	1
Bromomethane	ND	UJ	3.0	1.8	ug/L			10/14/25 18:41	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 18:41	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 18:41	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 18:41	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 18:41	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 18:41	1
2-Chloroethyl vinyl ether	ND	F1 UJ	2.0	1.6	ug/L			10/14/25 18:41	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 18:41	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 18:41	1
Chloromethane	ND	UJ	5.0	0.79	ug/L			10/14/25 18:41	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 18:41	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 18:41	1
Dibromochloromethane	ND	UJ	1.0	0.83	ug/L			10/14/25 18:41	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 18:41	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 18:41	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 18:41	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/14/25 18:41	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 18:41	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 18:41	1
1,1-Dichloroethene	ND	F1	1.0	0.48	ug/L			10/14/25 18:41	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 18:41	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 18:41	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 18:41	1
1,1-Dichloropropene	ND	F1	1.0	0.33	ug/L			10/14/25 18:41	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 18:41	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 18:41	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 18:41	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/14/25 18:41	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 18:41	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 18:41	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 18:41	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/14/25 18:41	1

Client Sample ID: MW10-ROX-100625
Date Collected: 10/06/25 11:55
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 18:41	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 18:41	1
Naphthalene	ND	UJ	1.0	0.44	ug/L			10/14/25 18:41	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 18:41	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 18:41	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 18:41	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 18:41	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 18:41	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 18:41	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 18:41	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 18:41	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 18:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 18:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 18:41	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 18:41	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 18:41	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 18:41	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 18:41	1
1,2,3-Trichlorobenzene	ND	*1 F2 UJ	1.0	0.35	ug/L			10/14/25 18:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 18:41	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 18:41	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 18:41	1
Trichloroethene	ND	*+ F1	0.50	0.15	ug/L			10/14/25 18:41	1
Trichlorofluoromethane	ND	F1	1.0	0.44	ug/L			10/14/25 18:41	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 18:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 18:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 18:41	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 18:41	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 18:41	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/14/25 18:41*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/14/25 18:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/14/25 18:41*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/14/25 18:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/08/25 10:18	10/10/25 17:50	1
Aniline	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 17:50	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzenethiol	ND	UJ	10	0.60	ug/L		10/08/25 10:18	10/10/25 17:50	1
Anthracene	ND		0.20	0.073	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzoic acid	ND		100	80	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzyl alcohol	ND		35	30	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 17:50	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/08/25 10:18	10/10/25 17:50	1

Client Sample ID: MW10-ROX-100625
Date Collected: 10/06/25 11:55
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/08/25 10:18	10/10/25 17:50	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/08/25 10:18	10/10/25 17:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 17:50	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/08/25 10:18	10/10/25 17:50	1
Chrysene	ND		0.20	0.039	ug/L		10/08/25 10:18	10/10/25 17:50	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Chloroaniline	ND		10	0.58	ug/L		10/08/25 10:18	10/10/25 17:50	1
Fluoranthene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/08/25 10:18	10/10/25 17:50	1
Fluorene	ND		0.20	0.087	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Chlorophenol	ND		10	0.84	ug/L		10/08/25 10:18	10/10/25 17:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 17:50	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/08/25 10:18	10/10/25 17:50	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/08/25 10:18	10/10/25 17:50	1
Dibenzofuran	ND		10	0.64	ug/L		10/08/25 10:18	10/10/25 17:50	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/08/25 10:18	10/10/25 17:50	1
Phenanthrene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/08/25 10:18	10/10/25 17:50	1
Pyrene	ND		0.20	0.095	ug/L		10/08/25 10:18	10/10/25 17:50	1
Diethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 17:50	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/08/25 10:18	10/10/25 17:50	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4-Dinitrotoluene	ND	UJ	10	0.65	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,6-Dinitrotoluene	ND	UJ	10	0.29	ug/L		10/08/25 10:18	10/10/25 17:50	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
1,4-Dioxane	ND		10	4.3	ug/L		10/08/25 10:18	10/10/25 17:50	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/08/25 10:18	10/10/25 17:50	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/08/25 10:18	10/10/25 17:50	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/08/25 10:18	10/10/25 17:50	1
Hexachloroethane	ND		10	0.53	ug/L		10/08/25 10:18	10/10/25 17:50	1
Indene	ND		10	0.44	ug/L		10/08/25 10:18	10/10/25 17:50	1
Isophorone	ND		10	0.80	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Methylphenol	ND		10	0.76	ug/L		10/08/25 10:18	10/10/25 17:50	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Nitroaniline	ND		10	1.4	ug/L		10/08/25 10:18	10/10/25 17:50	1
3-Nitroaniline	ND		10	0.95	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Nitroaniline	ND		10	3.5	ug/L		10/08/25 10:18	10/10/25 17:50	1
Nitrobenzene	ND	UJ	10	0.60	ug/L		10/08/25 10:18	10/10/25 17:50	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		10/08/25 10:18	10/10/25 17:50	1
4-Nitrophenol	ND		10	2.7	ug/L		10/08/25 10:18	10/10/25 17:50	1

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW10-ROX-100625
Lab Sample ID: 400-283673-5
Date Collected: 10/06/25 11:55
Matrix: Water
Date Received: 10/07/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/08/25 10:18	10/10/25 17:50	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/08/25 10:18	10/10/25 17:50	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/08/25 10:18	10/10/25 17:50	1
Pentachlorophenol	ND		10	2.8	ug/L		10/08/25 10:18	10/10/25 17:50	1
Phenol	ND		10	0.68	ug/L		10/08/25 10:18	10/10/25 17:50	1
Pyridine	ND	UJ	10	3.0	ug/L		10/08/25 10:18	10/10/25 17:50	1
Quinoline	ND		10	0.50	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/08/25 10:18	10/10/25 17:50	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/08/25 10:18	10/10/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*139*		*15 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
Nitrobenzene-d5	*133*		*50 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
Terphenyl-d14	*61*		*43 - 147*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
2-Fluorobiphenyl	*139*		*25 - 139*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
2-Fluorophenol	*96*		*10 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
Nitrobenzene-d5	*133*		*22 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
Phenol-d5	*97*		*10 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
Terphenyl-d14	*61*		*28 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*
2,4,6-Tribromophenol	*85*		*10 - 150*	*10/08/25 10:18*	*10/10/25 17:50*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW11-ROX-100625

Date Collected: 10/06/25 13:35
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 15:45	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/15/25 15:45*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*		*10/15/25 15:45*	*1*
4-Bromofluorobenzene	*91*		*50 - 150*		*10/15/25 15:45*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 19:07	1
Acrolein	ND	*+ UJ	100	35	ug/L			10/14/25 19:07	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 19:07	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 19:07	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 19:07	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 19:07	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 19:07	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 19:07	1
Bromomethane	ND	UJ	3.0	1.8	ug/L			10/14/25 19:07	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 19:07	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 19:07	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 19:07	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 19:07	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 19:07	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/14/25 19:07	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 19:07	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 19:07	1
Chloromethane	ND	UJ	5.0	0.79	ug/L			10/14/25 19:07	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 19:07	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 19:07	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/14/25 19:07	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 19:07	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 19:07	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 19:07	1
Dichlorodifluoromethane	ND	UJ	3.0	1.8	ug/L			10/14/25 19:07	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 19:07	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 19:07	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/14/25 19:07	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 19:07	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 19:07	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 19:07	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/14/25 19:07	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 19:07	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 19:07	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 19:07	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/14/25 19:07	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 19:07	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 19:07	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 19:07	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/14/25 19:07	1

Client Sample ID: MW11-ROX-100625
Date Collected: 10/06/25 13:35
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 19:07	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 19:07	1
Naphthalene	ND	UJ	1.0	0.44	ug/L			10/14/25 19:07	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 19:07	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 19:07	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 19:07	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 19:07	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 19:07	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 19:07	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 19:07	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 19:07	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 19:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 19:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 19:07	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 19:07	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 19:07	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 19:07	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 19:07	1
1,2,3-Trichlorobenzene	ND	*1 UJ	1.0	0.35	ug/L			10/14/25 19:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 19:07	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 19:07	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 19:07	1
Trichloroethene	ND	*+	0.50	0.15	ug/L			10/14/25 19:07	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/14/25 19:07	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 19:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 19:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 19:07	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 19:07	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 19:07	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/14/25 19:07*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/14/25 19:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/14/25 19:07*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*10/14/25 19:07*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/08/25 10:18	10/10/25 19:20	1
Aniline	ND		9.9	0.73	ug/L		10/08/25 10:18	10/10/25 19:20	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		10/08/25 10:18	10/10/25 19:20	1
Anthracene	ND		0.20	0.072	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzoic acid	ND		99	79	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzyl alcohol	ND		35	30	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 19:20	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/08/25 10:18	10/10/25 19:20	1

Client Sample ID: MW11-ROX-100625
Date Collected: 10/06/25 13:35
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		10/08/25 10:18	10/10/25 19:20	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/08/25 10:18	10/10/25 19:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 19:20	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/08/25 10:18	10/10/25 19:20	1
Chrysene	ND		0.20	0.039	ug/L		10/08/25 10:18	10/10/25 19:20	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Chloroaniline	ND		9.9	0.57	ug/L		10/08/25 10:18	10/10/25 19:20	1
Fluoranthene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		10/08/25 10:18	10/10/25 19:20	1
Fluorene	ND		0.20	0.086	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/08/25 10:18	10/10/25 19:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 19:20	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/08/25 10:18	10/10/25 19:20	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		10/08/25 10:18	10/10/25 19:20	1
Dibenzofuran	ND		9.9	0.63	ug/L		10/08/25 10:18	10/10/25 19:20	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/08/25 10:18	10/10/25 19:20	1
Phenanthrene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		10/08/25 10:18	10/10/25 19:20	1
Pyrene	ND		0.20	0.094	ug/L		10/08/25 10:18	10/10/25 19:20	1
Diethyl phthalate	ND		9.9	4.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		10/08/25 10:18	10/10/25 19:20	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/08/25 10:18	10/10/25 19:20	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	2.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4-Dinitrotoluene	ND	UJ	9.9	0.64	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,6-Dinitrotoluene	ND	UJ	9.9	0.29	ug/L		10/08/25 10:18	10/10/25 19:20	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/08/25 10:18	10/10/25 19:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/08/25 10:18	10/10/25 19:20	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/08/25 10:18	10/10/25 19:20	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/08/25 10:18	10/10/25 19:20	1
Hexachloroethane	ND		9.9	0.52	ug/L		10/08/25 10:18	10/10/25 19:20	1
Indene	ND		9.9	0.44	ug/L		10/08/25 10:18	10/10/25 19:20	1
Isophorone	ND		9.9	0.79	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/08/25 10:18	10/10/25 19:20	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/08/25 10:18	10/10/25 19:20	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/08/25 10:18	10/10/25 19:20	1
Nitrobenzene	ND	UJ	9.9	0.59	ug/L		10/08/25 10:18	10/10/25 19:20	1
2-Nitrophenol	ND	UJ	9.9	1.2	ug/L		10/08/25 10:18	10/10/25 19:20	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/08/25 10:18	10/10/25 19:20	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW11-ROX-100625
Date Collected: 10/06/25 13:35
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/08/25 10:18	10/10/25 19:20	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/08/25 10:18	10/10/25 19:20	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/08/25 10:18	10/10/25 19:20	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/08/25 10:18	10/10/25 19:20	1
Phenol	ND		9.9	0.67	ug/L		10/08/25 10:18	10/10/25 19:20	1
Pyridine	ND	UJ	9.9	3.0	ug/L		10/08/25 10:18	10/10/25 19:20	1
Quinoline	ND		9.9	0.50	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		10/08/25 10:18	10/10/25 19:20	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/08/25 10:18	10/10/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
Terphenyl-d14	*62*		*43 - 147*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
2-Fluorophenol	*90*		*10 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
Phenol-d5	*85*		*10 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
Terphenyl-d14	*62*		*28 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*10/08/25 10:18*	*10/10/25 19:20*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283673-1	TB-ROX-100625-8260	98	109	100	93
400-283673-3	MW9-ROX-100625-EB	99	107	98	93
400-283673-4	MW9-ROX-100625	100	104	95	93
400-283673-5	MW10-ROX-100625	99	107	96	95
400-283673-5 MS	MW10-ROX-100625	96	107	94	93
400-283673-5 MSD	MW10-ROX-100625	95	107	95	93
400-283673-6	MW11-ROX-100625	98	107	97	92
LCS 500-838029/4	Lab Control Sample	95	108	94	93
LCSD 500-838029/5	Lab Control Sample Dup	95	108	94	93
MB 500-838029/8	Method Blank	100	106	96	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283673-2	TB-ROX-100625-8260-SIM	110	91	93
400-283673-3	MW9-ROX-100625-EB	111	89	92
400-283673-4	MW9-ROX-100625	112	90	92
400-283673-5	MW10-ROX-100625	111	89	92
400-283673-5 MS	MW10-ROX-100625	111	89	91
400-283673-5 MSD	MW10-ROX-100625	111	90	88
400-283673-6	MW11-ROX-100625	111	87	91
LCS 400-726872/1003	Lab Control Sample	109	93	94
MB 400-726872/5	Method Blank	109	92	93

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283673-3	MW9-ROX-100625-EB	88	82	84	88	89	82	86	84
400-283673-4	MW9-ROX-100625	92	83	60	92	84	83	81	60
400-283673-5	MW10-ROX-100625	139	133	61	139	96	133	97	61
400-283673-5 MS	MW10-ROX-100625	89	83	51	89	102	83	114	51
400-283673-5 MSD	MW10-ROX-100625	93	88	53	93	93	88	98	53
400-283673-6	MW11-ROX-100625	94	84	62	94	90	84	85	62
LCS 400-726052/2-A	Lab Control Sample	91	78	88	91	102	78	121	88

Surrogate Summary

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-726052/3-A	Lab Control Sample				96	76	83	70	96
LCSD 400-726052/4-A	Lab Control Sample Dup				91	91	79	96	86
MB 400-726052/1-A	Method Blank	99	80	96	99	96	80	98	96

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-283673-3	MW9-ROX-100625-EB	87
400-283673-4	MW9-ROX-100625	91
400-283673-5	MW10-ROX-100625	85
400-283673-5 MS	MW10-ROX-100625	99
400-283673-5 MSD	MW10-ROX-100625	96
400-283673-6	MW11-ROX-100625	82
LCS 400-726052/2-A	Lab Control Sample	105
LCS 400-726052/3-A	Lab Control Sample	108
LCSD 400-726052/4-A	Lab Control Sample Dup	100
MB 400-726052/1-A	Method Blank	103

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100625-8260
Lab Sample ID: 400-283673-1
Date Collected: 10/06/25 00:00
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 14:43	MM	EET CHI

Client Sample ID: TB-ROX-100625-8260-SIM
Lab Sample ID: 400-283673-2
Date Collected: 10/06/25 00:00
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 13:25	NMB	EET PEN

Client Sample ID: MW9-ROX-100625-EB
Lab Sample ID: 400-283673-3
Date Collected: 10/06/25 08:50
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 15:09	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 13:48	NMB	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 18:20	JAW	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 18:20	JAW	EET PEN

Client Sample ID: MW9-ROX-100625
Lab Sample ID: 400-283673-4
Date Collected: 10/06/25 10:40
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 18:15	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 15:22	NMB	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 18:50	JAW	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 18:50	JAW	EET PEN

Client Sample ID: MW10-ROX-100625
Lab Sample ID: 400-283673-5
Date Collected: 10/06/25 11:55
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 18:41	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 14:12	NMB	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 17:50	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 17:50	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW11-ROX-100625
Lab Sample ID: 400-283673-6
Date Collected: 10/06/25 13:35
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 19:07	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 15:45	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 19:20	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 19:20	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726052/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 14:51	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 14:51	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726872/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 12:15	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838029/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 13:50	MM	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726052/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 15:21	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 15:21	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726052/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 15:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726872/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 11:10	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838029/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 12:03	MM	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726052/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 16:21	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838029/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 12:29	MM	EET CHI

Client Sample ID: MW10-ROX-100625
Lab Sample ID: 400-283673-5 MS
Date Collected: 10/06/25 11:55
Matrix: Water
Date Received: 10/07/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 21:42	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 14:35	NMB	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 16:51	JAW	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 16:51	JAW	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

Client Sample ID: MW10-ROX-100625

Date Collected: 10/06/25 11:55
Date Received: 10/07/25 09:50

Lab Sample ID: 400-283673-5 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838029	10/14/25 22:09	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726872	10/15/25 14:59	NMB	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726375	10/10/25 17:21	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726052	10/08/25 10:18	RAW	EET PEN
Total/NA	Analysis	8270E		1			726376	10/10/25 17:21	JAW	EET PEN

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

GC/MS VOA

Analysis Batch: 726872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283673-2	TB-ROX-100625-8260-SIM	Total/NA	Water	8260D SIM	
400-283673-3	MW9-ROX-100625-EB	Total/NA	Water	8260D SIM	
400-283673-4	MW9-ROX-100625	Total/NA	Water	8260D SIM	
400-283673-5	MW10-ROX-100625	Total/NA	Water	8260D SIM	
400-283673-6	MW11-ROX-100625	Total/NA	Water	8260D SIM	
MB 400-726872/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-726872/1003	Lab Control Sample	Total/NA	Water	8260D SIM	
400-283673-5 MS	MW10-ROX-100625	Total/NA	Water	8260D SIM	
400-283673-5 MSD	MW10-ROX-100625	Total/NA	Water	8260D SIM	

Analysis Batch: 838029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283673-1	TB-ROX-100625-8260	Total/NA	Water	8260D	
400-283673-3	MW9-ROX-100625-EB	Total/NA	Water	8260D	
400-283673-4	MW9-ROX-100625	Total/NA	Water	8260D	
400-283673-5	MW10-ROX-100625	Total/NA	Water	8260D	
400-283673-6	MW11-ROX-100625	Total/NA	Water	8260D	
MB 500-838029/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838029/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838029/5	Lab Control Sample Dup	Total/NA	Water	8260D	
400-283673-5 MS	MW10-ROX-100625	Total/NA	Water	8260D	
400-283673-5 MSD	MW10-ROX-100625	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283673-3	MW9-ROX-100625-EB	Total/NA	Water	3511	
400-283673-4	MW9-ROX-100625	Total/NA	Water	3511	
400-283673-5	MW10-ROX-100625	Total/NA	Water	3511	
400-283673-6	MW11-ROX-100625	Total/NA	Water	3511	
MB 400-726052/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726052/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726052/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-283673-5 MS	MW10-ROX-100625	Total/NA	Water	3511	
400-283673-5 MSD	MW10-ROX-100625	Total/NA	Water	3511	

Analysis Batch: 726375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283673-3	MW9-ROX-100625-EB	Total/NA	Water	8270E	726052
400-283673-4	MW9-ROX-100625	Total/NA	Water	8270E	726052
400-283673-5	MW10-ROX-100625	Total/NA	Water	8270E	726052
400-283673-6	MW11-ROX-100625	Total/NA	Water	8270E	726052
MB 400-726052/1-A	Method Blank	Total/NA	Water	8270E	726052
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	8270E	726052
400-283673-5 MS	MW10-ROX-100625	Total/NA	Water	8270E	726052
400-283673-5 MSD	MW10-ROX-100625	Total/NA	Water	8270E	726052

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283673-1

GC/MS Semi VOA

Analysis Batch: 726376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283673-3	MW9-ROX-100625-EB	Total/NA	Water	8270E	726052
400-283673-4	MW9-ROX-100625	Total/NA	Water	8270E	726052
400-283673-5	MW10-ROX-100625	Total/NA	Water	8270E	726052
400-283673-6	MW11-ROX-100625	Total/NA	Water	8270E	726052
MB 400-726052/1-A	Method Blank	Total/NA	Water	8270E	726052
LCS 400-726052/2-A	Lab Control Sample	Total/NA	Water	8270E	726052
LCS 400-726052/3-A	Lab Control Sample	Total/NA	Water	8270E	726052
LCSD 400-726052/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726052
400-283673-5 MS	MW10-ROX-100625	Total/NA	Water	8270E	726052
400-283673-5 MSD	MW10-ROX-100625	Total/NA	Water	8270E	726052

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838029/8
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/14/25 13:50	1
Acrolein	ND		100	35	ug/L			10/14/25 13:50	1
Acrylonitrile	ND		20	6.0	ug/L			10/14/25 13:50	1
Benzene	ND		0.50	0.18	ug/L			10/14/25 13:50	1
Bromobenzene	ND		1.0	0.60	ug/L			10/14/25 13:50	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/14/25 13:50	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/14/25 13:50	1
Bromoform	ND		1.0	0.96	ug/L			10/14/25 13:50	1
Bromomethane	ND		3.0	1.8	ug/L			10/14/25 13:50	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/14/25 13:50	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/14/25 13:50	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/14/25 13:50	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/14/25 13:50	1
Chloroethane	ND		5.0	0.47	ug/L			10/14/25 13:50	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/14/25 13:50	1
Chloroform	ND		2.0	0.92	ug/L			10/14/25 13:50	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/14/25 13:50	1
Chloromethane	ND		5.0	0.79	ug/L			10/14/25 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/14/25 13:50	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/14/25 13:50	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/14/25 13:50	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/14/25 13:50	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/14/25 13:50	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/14/25 13:50	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/14/25 13:50	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/14/25 13:50	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/14/25 13:50	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/14/25 13:50	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/14/25 13:50	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/14/25 13:50	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/14/25 13:50	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/14/25 13:50	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/14/25 13:50	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/14/25 13:50	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/14/25 13:50	1
2-Hexanone	ND		5.0	2.2	ug/L			10/14/25 13:50	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/14/25 13:50	1
Methylene bromide	ND		1.0	0.58	ug/L			10/14/25 13:50	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/14/25 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/14/25 13:50	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/14/25 13:50	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/14/25 13:50	1
Naphthalene	ND		1.0	0.44	ug/L			10/14/25 13:50	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/14/25 13:50	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/14/25 13:50	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/14/25 13:50	1
o-Xylene	ND		0.50	0.21	ug/L			10/14/25 13:50	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/14/25 13:50	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838029/8
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/14/25 13:50	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/14/25 13:50	1
Styrene	ND		1.0	0.31	ug/L			10/14/25 13:50	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/14/25 13:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/14/25 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/14/25 13:50	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/14/25 13:50	1
Toluene	ND		0.50	0.21	ug/L			10/14/25 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/14/25 13:50	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/14/25 13:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/14/25 13:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/14/25 13:50	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/14/25 13:50	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/14/25 13:50	1
Trichloroethene	ND		0.50	0.15	ug/L			10/14/25 13:50	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/14/25 13:50	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/14/25 13:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/14/25 13:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/14/25 13:50	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/14/25 13:50	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/14/25 13:50	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/14/25 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/14/25 13:50*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*10/14/25 13:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/14/25 13:50*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*10/14/25 13:50*	*1*

Lab Sample ID: LCS 500-838029/4
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	46.3		ug/L		93	40 - 143
Acrolein	2000	3650	*+	ug/L		183	40 - 150
Acrylonitrile	500	479		ug/L		96	67 - 140
Benzene	50.0	57.3		ug/L		115	70 - 120
Bromobenzene	50.0	50.2		ug/L		100	70 - 122
Bromochloromethane	50.0	59.8		ug/L		120	65 - 122
Bromodichloromethane	50.0	52.7		ug/L		105	69 - 120
Bromoform	50.0	52.3		ug/L		105	56 - 132
Bromomethane	50.0	39.9		ug/L		80	40 - 152
2-Butanone (MEK)	50.0	46.2		ug/L		92	46 - 144
Carbon disulfide	50.0	54.8		ug/L		110	66 - 120
Carbon tetrachloride	50.0	59.7		ug/L		119	59 - 133
Chlorobenzene	50.0	51.9		ug/L		104	70 - 120
Chloroethane	50.0	48.9		ug/L		98	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838029/4
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	46.8		ug/L		94	52 - 136
Chloroform	50.0	54.3		ug/L		109	70 - 120
Chloromethane	50.0	28.6		ug/L		57	56 - 152
cis-1,2-Dichloroethene	50.0	56.3		ug/L		113	70 - 125
cis-1,3-Dichloropropene	50.0	49.4		ug/L		99	64 - 127
Dibromochloromethane	50.0	51.0		ug/L		102	68 - 125
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	24.1		ug/L		48	40 - 159
1,1-Dichloroethane	50.0	52.7		ug/L		105	70 - 125
1,2-Dichloroethane	50.0	52.9		ug/L		106	68 - 127
1,1-Dichloroethene	50.0	55.9		ug/L		112	67 - 122
1,2-Dichloropropane	50.0	53.7		ug/L		107	67 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	56.7		ug/L		113	58 - 139
1,1-Dichloropropene	50.0	59.9		ug/L		120	70 - 121
Ethylbenzene	50.0	50.7		ug/L		101	70 - 123
Ethyl methacrylate	50.0	48.5		ug/L		97	63 - 129
Hexachlorobutadiene	50.0	56.4		ug/L		113	51 - 150
2-Hexanone	50.0	37.3		ug/L		75	54 - 146
Isopropylbenzene	50.0	47.6		ug/L		95	70 - 126
Methylene bromide	50.0	59.5		ug/L		119	70 - 120
Methylene Chloride	50.0	52.4		ug/L		105	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	38.7		ug/L		77	55 - 139
Methyl tert-butyl ether	50.0	57.7		ug/L		115	55 - 123
m-Xylene & p-Xylene	50.0	46.2		ug/L		92	70 - 125
Naphthalene	50.0	39.6		ug/L		79	53 - 144
n-Butylbenzene	50.0	47.4		ug/L		95	68 - 125
N-Propylbenzene	50.0	47.7		ug/L		95	69 - 127
o-Chlorotoluene	50.0	46.7		ug/L		93	70 - 125
o-Xylene	50.0	46.0		ug/L		92	70 - 120
p-Chlorotoluene	50.0	46.9		ug/L		94	68 - 124
p-Isopropyltoluene	50.0	48.9		ug/L		98	70 - 125
sec-Butylbenzene	50.0	47.2		ug/L		94	70 - 123
Styrene	50.0	49.6		ug/L		99	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	62 - 140
Tetrachloroethene	50.0	53.9		ug/L		108	70 - 128
Toluene	50.0	45.8		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	57.5		ug/L		115	70 - 125
trans-1,3-Dichloropropene	50.0	49.5		ug/L		99	62 - 128
1,2,3-Trichlorobenzene	50.0	35.5		ug/L		71	51 - 145
1,2,4-Trichlorobenzene	50.0	43.8		ug/L		88	57 - 137
1,1,1-Trichloroethane	50.0	58.0		ug/L		116	70 - 125
1,1,2-Trichloroethane	50.0	48.6		ug/L		97	71 - 130
Trichloroethene	50.0	62.4		ug/L		125	70 - 125
Trichlorofluoromethane	50.0	55.4		ug/L		111	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838029/4
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	47.6		ug/L		95	50 - 133
1,2,4-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
Vinyl acetate	50.0	52.0		ug/L		104	43 - 133
Vinyl chloride	50.0	46.5		ug/L		93	64 - 126
Xylenes, Total	100	92.2		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: LCSD 500-838029/5
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	44.5		ug/L		89	40 - 143	4	20
Acrolein	2000	3460	*+	ug/L		173	40 - 150	6	20
Acrylonitrile	500	464		ug/L		93	67 - 140	3	20
Benzene	50.0	57.0		ug/L		114	70 - 120	1	20
Bromobenzene	50.0	50.4		ug/L		101	70 - 122	0	20
Bromochloromethane	50.0	60.1		ug/L		120	65 - 122	1	20
Bromodichloromethane	50.0	52.8		ug/L		106	69 - 120	0	20
Bromoform	50.0	51.3		ug/L		103	56 - 132	2	20
Bromomethane	50.0	40.7		ug/L		81	40 - 152	2	20
2-Butanone (MEK)	50.0	44.6		ug/L		89	46 - 144	4	20
Carbon disulfide	50.0	53.7		ug/L		107	66 - 120	2	20
Carbon tetrachloride	50.0	59.3		ug/L		119	59 - 133	1	20
Chlorobenzene	50.0	50.9		ug/L		102	70 - 120	2	20
Chloroethane	50.0	49.5		ug/L		99	48 - 136	1	20
2-Chloroethyl vinyl ether	50.0	45.8		ug/L		92	52 - 136	2	20
Chloroform	50.0	54.4		ug/L		109	70 - 120	0	20
Chloromethane	50.0	28.5		ug/L		57	56 - 152	0	20
cis-1,2-Dichloroethene	50.0	57.6		ug/L		115	70 - 125	2	20
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	64 - 127	0	20
Dibromochloromethane	50.0	50.6		ug/L		101	68 - 125	1	20
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 125	2	20
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 125	2	20
1,4-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 120	1	20
Dichlorodifluoromethane	50.0	23.4		ug/L		47	40 - 159	3	20
1,1-Dichloroethane	50.0	52.0		ug/L		104	70 - 125	1	20
1,2-Dichloroethane	50.0	52.1		ug/L		104	68 - 127	2	20
1,1-Dichloroethene	50.0	56.5		ug/L		113	67 - 122	1	20
1,2-Dichloropropane	50.0	52.5		ug/L		105	67 - 130	2	20
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136	2	20
2,2-Dichloropropane	50.0	56.4		ug/L		113	58 - 139	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838029/5
Matrix: Water
Analysis Batch: 838029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	58.7		ug/L		117	70 - 121	2	20
Ethylbenzene			50.0	48.9		ug/L		98	70 - 123	4	20
Ethyl methacrylate			50.0	46.0		ug/L		92	63 - 129	5	20
Hexachlorobutadiene			50.0	58.2		ug/L		116	51 - 150	3	20
2-Hexanone			50.0	36.0		ug/L		72	54 - 146	3	20
Isopropylbenzene			50.0	46.7		ug/L		93	70 - 126	2	20
Methylene bromide			50.0	59.7		ug/L		119	70 - 120	0	20
Methylene Chloride			50.0	52.1		ug/L		104	69 - 125	0	20
4-Methyl-2-pentanone (MIBK)			50.0	36.8		ug/L		74	55 - 139	5	20
Methyl tert-butyl ether			50.0	56.2		ug/L		112	55 - 123	3	20
m-Xylene & p-Xylene			50.0	46.3		ug/L		93	70 - 125	0	20
Naphthalene			50.0	45.2		ug/L		90	53 - 144	13	20
n-Butylbenzene			50.0	46.6		ug/L		93	68 - 125	2	20
N-Propylbenzene			50.0	47.0		ug/L		94	69 - 127	2	20
o-Chlorotoluene			50.0	45.9		ug/L		92	70 - 125	2	20
o-Xylene			50.0	45.8		ug/L		92	70 - 120	0	20
p-Chlorotoluene			50.0	46.3		ug/L		93	68 - 124	1	20
p-Isopropyltoluene			50.0	48.7		ug/L		97	70 - 125	0	20
sec-Butylbenzene			50.0	46.3		ug/L		93	70 - 123	2	20
Styrene			50.0	49.0		ug/L		98	70 - 120	1	20
tert-Butylbenzene			50.0	44.4		ug/L		89	70 - 121	1	20
1,1,1,2-Tetrachloroethane			50.0	51.3		ug/L		103	70 - 125	1	20
1,1,2,2-Tetrachloroethane			50.0	45.5		ug/L		91	62 - 140	3	20
Tetrachloroethene			50.0	52.4		ug/L		105	70 - 128	3	20
Toluene			50.0	45.6		ug/L		91	70 - 125	1	20
trans-1,2-Dichloroethene			50.0	56.1		ug/L		112	70 - 125	2	20
trans-1,3-Dichloropropene			50.0	48.7		ug/L		97	62 - 128	2	20
1,2,3-Trichlorobenzene			50.0	46.1	*1	ug/L		92	51 - 145	26	20
1,2,4-Trichlorobenzene			50.0	46.6		ug/L		93	57 - 137	6	20
1,1,1-Trichloroethane			50.0	57.7		ug/L		115	70 - 125	0	20
1,1,2-Trichloroethane			50.0	47.6		ug/L		95	71 - 130	2	20
Trichloroethene			50.0	63.9	*+	ug/L		128	70 - 125	2	20
Trichlorofluoromethane			50.0	58.5		ug/L		117	55 - 128	5	20
1,2,3-Trichloropropane			50.0	47.8		ug/L		96	50 - 133	0	20
1,2,4-Trimethylbenzene			50.0	45.9		ug/L		92	70 - 123	2	20
1,3,5-Trimethylbenzene			50.0	46.4		ug/L		93	70 - 123	1	20
Vinyl acetate			50.0	51.4		ug/L		103	43 - 133	1	20
Vinyl chloride			50.0	45.1		ug/L		90	64 - 126	3	20
Xylenes, Total			100	92.1		ug/L		92	70 - 125	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 838029

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		50.0	35.3		ug/L		71	40 - 143
Acrolein	ND	*+ F1	2000	3190	F1	ug/L		160	40 - 150
Acrylonitrile	ND		500	431		ug/L		86	67 - 140
Benzene	ND		50.0	57.3		ug/L		115	70 - 120
Bromobenzene	ND		50.0	48.9		ug/L		98	70 - 122
Bromochloromethane	ND		50.0	57.7		ug/L		115	65 - 122
Bromodichloromethane	ND		50.0	51.2		ug/L		102	69 - 120
Bromoform	ND		50.0	45.8		ug/L		92	56 - 132
Bromomethane	ND		50.0	53.9		ug/L		108	40 - 152
2-Butanone (MEK)	ND		50.0	38.4		ug/L		77	46 - 144
Carbon disulfide	ND		50.0	59.2		ug/L		118	66 - 120
Carbon tetrachloride	ND		50.0	61.9		ug/L		124	59 - 133
Chlorobenzene	ND		50.0	50.8		ug/L		102	70 - 120
Chloroethane	ND		50.0	57.7		ug/L		115	48 - 136
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136
Chloroform	ND		50.0	54.7		ug/L		109	70 - 120
Chloromethane	ND		50.0	43.5		ug/L		87	56 - 152
cis-1,2-Dichloroethene	ND		50.0	54.8		ug/L		110	70 - 125
cis-1,3-Dichloropropene	ND		50.0	46.9		ug/L		94	64 - 127
Dibromochloromethane	ND		50.0	47.8		ug/L		96	68 - 125
1,2-Dichlorobenzene	ND		50.0	46.9		ug/L		94	70 - 125
1,3-Dichlorobenzene	ND		50.0	47.7		ug/L		95	70 - 125
1,4-Dichlorobenzene	ND		50.0	47.0		ug/L		94	70 - 120
Dichlorodifluoromethane	ND		50.0	58.7		ug/L		117	40 - 159
1,1-Dichloroethane	ND		50.0	53.9		ug/L		108	70 - 125
1,2-Dichloroethane	ND		50.0	51.4		ug/L		103	68 - 127
1,1-Dichloroethene	ND	F1	50.0	62.1	F1	ug/L		124	67 - 122
1,2-Dichloropropane	ND		50.0	51.5		ug/L		103	67 - 130
1,3-Dichloropropane	ND		50.0	48.1		ug/L		96	62 - 136
2,2-Dichloropropane	ND		50.0	54.1		ug/L		108	58 - 139
1,1-Dichloropropene	ND	F1	50.0	62.5	F1	ug/L		125	70 - 121
Ethylbenzene	ND		50.0	50.3		ug/L		101	70 - 123
Ethyl methacrylate	ND		50.0	44.5		ug/L		89	63 - 129
Hexachlorobutadiene	ND		50.0	54.0		ug/L		108	51 - 150
2-Hexanone	ND		50.0	31.8		ug/L		64	54 - 146
Isopropylbenzene	ND		50.0	48.2		ug/L		96	70 - 126
Methylene bromide	ND		50.0	55.8		ug/L		112	70 - 120
Methylene Chloride	ND		50.0	51.0		ug/L		102	69 - 125
4-Methyl-2-pentanone (MIBK)	ND		50.0	33.6		ug/L		67	55 - 139
Methyl tert-butyl ether	ND		50.0	54.3		ug/L		109	55 - 123
m-Xylene & p-Xylene	ND		50.0	46.4		ug/L		93	70 - 125
Naphthalene	ND		50.0	33.3		ug/L		67	53 - 144
n-Butylbenzene	ND		50.0	47.2		ug/L		94	68 - 125
N-Propylbenzene	ND		50.0	48.2		ug/L		96	69 - 127
o-Chlorotoluene	ND		50.0	45.8		ug/L		92	70 - 125
o-Xylene	ND		50.0	46.0		ug/L		92	70 - 120
p-Chlorotoluene	ND		50.0	46.1		ug/L		92	68 - 124
p-Isopropyltoluene	ND		50.0	49.0		ug/L		98	70 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 838029

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	ND		50.0	48.0		ug/L		96	70 - 123
Styrene	ND		50.0	48.0		ug/L		96	70 - 120
tert-Butylbenzene	ND		50.0	45.3		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	ND		50.0	49.8		ug/L		100	70 - 125
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	62 - 140
Tetrachloroethene	ND		50.0	54.5		ug/L		109	70 - 128
Toluene	ND		50.0	45.9		ug/L		92	70 - 125
trans-1,2-Dichloroethene	ND		50.0	59.3		ug/L		119	70 - 125
trans-1,3-Dichloropropene	ND		50.0	45.1		ug/L		90	62 - 128
1,2,3-Trichlorobenzene	ND	*1 F2	50.0	31.1		ug/L		62	51 - 145
1,2,4-Trichlorobenzene	ND		50.0	40.4		ug/L		81	57 - 137
1,1,1-Trichloroethane	ND		50.0	60.8		ug/L		122	70 - 125
1,1,2-Trichloroethane	ND		50.0	45.3		ug/L		91	71 - 130
Trichloroethene	ND	*+ F1	50.0	63.6	F1	ug/L		127	70 - 125
Trichlorofluoromethane	ND	F1	50.0	68.6	F1	ug/L		137	55 - 128
1,2,3-Trichloropropane	ND		50.0	46.3		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	ND		50.0	46.5		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	ND		50.0	47.2		ug/L		94	70 - 123
Vinyl acetate	ND		50.0	47.7		ug/L		95	43 - 133
Vinyl chloride	ND		50.0	63.2		ug/L		126	64 - 126
Xylenes, Total	ND		100	92.3		ug/L		92	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*107*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 838029

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		50.0	35.2		ug/L		70	40 - 143	0	20
Acrolein	ND	*+ F1	2000	3050	F1	ug/L		152	40 - 150	5	20
Acrylonitrile	ND		500	422		ug/L		84	67 - 140	2	20
Benzene	ND		50.0	54.8		ug/L		110	70 - 120	4	20
Bromobenzene	ND		50.0	47.1		ug/L		94	70 - 122	4	20
Bromochloromethane	ND		50.0	56.7		ug/L		113	65 - 122	2	20
Bromodichloromethane	ND		50.0	49.2		ug/L		98	69 - 120	4	20
Bromoform	ND		50.0	46.8		ug/L		94	56 - 132	2	20
Bromomethane	ND		50.0	51.6		ug/L		103	40 - 152	4	20
2-Butanone (MEK)	ND		50.0	35.9		ug/L		72	46 - 144	7	20
Carbon disulfide	ND		50.0	55.9		ug/L		112	66 - 120	6	20
Carbon tetrachloride	ND		50.0	59.6		ug/L		119	59 - 133	4	20
Chlorobenzene	ND		50.0	48.9		ug/L		98	70 - 120	4	20
Chloroethane	ND		50.0	55.0		ug/L		110	48 - 136	5	20
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136	NC	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 838029

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	52.4		ug/L		105	70 - 120	4	20
Chloromethane	ND		50.0	41.0		ug/L		82	56 - 152	6	20
cis-1,2-Dichloroethene	ND		50.0	54.7		ug/L		109	70 - 125	0	20
cis-1,3-Dichloropropene	ND		50.0	45.7		ug/L		91	64 - 127	2	20
Dibromochloromethane	ND		50.0	47.4		ug/L		95	68 - 125	1	20
1,2-Dichlorobenzene	ND		50.0	45.3		ug/L		91	70 - 125	3	20
1,3-Dichlorobenzene	ND		50.0	45.9		ug/L		92	70 - 125	4	20
1,4-Dichlorobenzene	ND		50.0	45.2		ug/L		90	70 - 120	4	20
Dichlorodifluoromethane	ND		50.0	53.1		ug/L		106	40 - 159	10	20
1,1-Dichloroethane	ND		50.0	51.3		ug/L		103	70 - 125	5	20
1,2-Dichloroethane	ND		50.0	49.7		ug/L		99	68 - 127	3	20
1,1-Dichloroethene	ND	F1	50.0	58.2		ug/L		116	67 - 122	7	20
1,2-Dichloropropane	ND		50.0	50.0		ug/L		100	67 - 130	3	20
1,3-Dichloropropane	ND		50.0	47.3		ug/L		95	62 - 136	2	20
2,2-Dichloropropane	ND		50.0	51.0		ug/L		102	58 - 139	6	20
1,1-Dichloropropene	ND	F1	50.0	59.6		ug/L		119	70 - 121	5	20
Ethylbenzene	ND		50.0	48.3		ug/L		97	70 - 123	4	20
Ethyl methacrylate	ND		50.0	43.3		ug/L		87	63 - 129	3	20
Hexachlorobutadiene	ND		50.0	54.4		ug/L		109	51 - 150	1	20
2-Hexanone	ND		50.0	30.6		ug/L		61	54 - 146	4	20
Isopropylbenzene	ND		50.0	46.3		ug/L		93	70 - 126	4	20
Methylene bromide	ND		50.0	54.4		ug/L		109	70 - 120	3	20
Methylene Chloride	ND		50.0	48.8		ug/L		98	69 - 125	4	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	32.3		ug/L		65	55 - 139	4	20
Methyl tert-butyl ether	ND		50.0	52.6		ug/L		105	55 - 123	3	20
m-Xylene & p-Xylene	ND		50.0	44.7		ug/L		89	70 - 125	4	20
Naphthalene	ND		50.0	38.5		ug/L		77	53 - 144	15	20
n-Butylbenzene	ND		50.0	45.0		ug/L		90	68 - 125	5	20
N-Propylbenzene	ND		50.0	46.1		ug/L		92	69 - 127	4	20
o-Chlorotoluene	ND		50.0	44.2		ug/L		88	70 - 125	3	20
o-Xylene	ND		50.0	44.6		ug/L		89	70 - 120	3	20
p-Chlorotoluene	ND		50.0	43.7		ug/L		87	68 - 124	5	20
p-Isopropyltoluene	ND		50.0	47.4		ug/L		95	70 - 125	3	20
sec-Butylbenzene	ND		50.0	45.7		ug/L		91	70 - 123	5	20
Styrene	ND		50.0	46.5		ug/L		93	70 - 120	3	20
tert-Butylbenzene	ND		50.0	43.9		ug/L		88	70 - 121	3	20
1,1,1,2-Tetrachloroethane	ND		50.0	48.6		ug/L		97	70 - 125	2	20
1,1,2,2-Tetrachloroethane	ND		50.0	41.3		ug/L		83	62 - 140	3	20
Tetrachloroethene	ND		50.0	52.1		ug/L		104	70 - 128	5	20
Toluene	ND		50.0	44.0		ug/L		88	70 - 125	4	20
trans-1,2-Dichloroethene	ND		50.0	56.9		ug/L		114	70 - 125	4	20
trans-1,3-Dichloropropene	ND		50.0	45.4		ug/L		91	62 - 128	1	20
1,2,3-Trichlorobenzene	ND	*1 F2	50.0	40.2	F2	ug/L		80	51 - 145	25	20
1,2,4-Trichlorobenzene	ND		50.0	41.8		ug/L		84	57 - 137	3	20
1,1,1-Trichloroethane	ND		50.0	57.6		ug/L		115	70 - 125	5	20
1,1,2-Trichloroethane	ND		50.0	44.0		ug/L		88	71 - 130	3	20
Trichloroethene	ND	*+ F1	50.0	61.1		ug/L		122	70 - 125	4	20
Trichlorofluoromethane	ND	F1	50.0	66.1	F1	ug/L		132	55 - 128	4	20
1,2,3-Trichloropropane	ND		50.0	44.2		ug/L		88	50 - 133	5	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 838029

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		50.0	44.3		ug/L		89	70 - 123	5	20
1,3,5-Trimethylbenzene	ND		50.0	44.9		ug/L		90	70 - 123	5	20
Vinyl acetate	ND		50.0	47.6		ug/L		95	43 - 133	0	20
Vinyl chloride	ND		50.0	60.5		ug/L		121	64 - 126	4	20
Xylenes, Total	ND		100	89.3		ug/L		89	70 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*107*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-726872/5
Matrix: Water
Analysis Batch: 726872

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/15/25 12:15	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/15/25 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/15/25 12:15*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/15/25 12:15*	*1*
4-Bromofluorobenzene	*93*		*50 - 150*		*10/15/25 12:15*	*1*

Lab Sample ID: LCS 400-726872/1003
Matrix: Water
Analysis Batch: 726872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.448		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.510		ug/L		102	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*109*		*50 - 150*
Toluene-d8 (Surr)	*93*		*50 - 150*
4-Bromofluorobenzene	*94*		*50 - 150*

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 726872

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.488	0.394		ug/L		81	50 - 150		
1,2-Dibromoethane	ND		0.488	0.470		ug/L		96	50 - 150		

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 726872

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*91*		*50 - 150*

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 726872

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.488	0.400		ug/L		82	50 - 150	2	50
1,2-Dibromoethane	ND		0.488	0.508		ug/L		104	50 - 150	8	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*88*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726052/1-A
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/08/25 10:18	10/10/25 14:51	1
Aniline	ND		10	0.74	ug/L		10/08/25 10:18	10/10/25 14:51	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzenethiol	ND		10	0.60	ug/L		10/08/25 10:18	10/10/25 14:51	1
Anthracene	ND		0.20	0.073	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzoic acid	ND		100	80	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzyl alcohol	ND		35	30	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/08/25 10:18	10/10/25 14:51	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/08/25 10:18	10/10/25 14:51	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/08/25 10:18	10/10/25 14:51	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/08/25 10:18	10/10/25 14:51	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/08/25 10:18	10/10/25 14:51	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/08/25 10:18	10/10/25 14:51	1
Chrysene	ND		0.20	0.039	ug/L		10/08/25 10:18	10/10/25 14:51	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Chloroaniline	ND		10	0.58	ug/L		10/08/25 10:18	10/10/25 14:51	1
Fluoranthene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/08/25 10:18	10/10/25 14:51	1
Fluorene	ND		0.20	0.087	ug/L		10/08/25 10:18	10/10/25 14:51	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726052/1-A
Matrix: Water
Analysis Batch: 726376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		10	0.38	ug/L		10/08/25 10:18	10/10/25 14:51	1
2-Chlorophenol	ND		10	0.84	ug/L		10/08/25 10:18	10/10/25 14:51	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/08/25 10:18	10/10/25 14:51	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 14:51	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/08/25 10:18	10/10/25 14:51	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/08/25 10:18	10/10/25 14:51	1
Dibenzofuran	ND		10	0.64	ug/L		10/08/25 10:18	10/10/25 14:51	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/08/25 10:18	10/10/25 14:51	1
Phenanthrene	ND		0.20	0.044	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/08/25 10:18	10/10/25 14:51	1
Pyrene	ND		0.20	0.095	ug/L		10/08/25 10:18	10/10/25 14:51	1
Diethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/08/25 10:18	10/10/25 14:51	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/08/25 10:18	10/10/25 14:51	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/08/25 10:18	10/10/25 14:51	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
1,4-Dioxane	ND		10	4.3	ug/L		10/08/25 10:18	10/10/25 14:51	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/08/25 10:18	10/10/25 14:51	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/08/25 10:18	10/10/25 14:51	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/08/25 10:18	10/10/25 14:51	1
Hexachloroethane	ND		10	0.53	ug/L		10/08/25 10:18	10/10/25 14:51	1
Indene	ND		10	0.44	ug/L		10/08/25 10:18	10/10/25 14:51	1
Isophorone	ND		10	0.80	ug/L		10/08/25 10:18	10/10/25 14:51	1
2-Methylphenol	ND		10	0.76	ug/L		10/08/25 10:18	10/10/25 14:51	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/08/25 10:18	10/10/25 14:51	1
2-Nitroaniline	ND		10	1.4	ug/L		10/08/25 10:18	10/10/25 14:51	1
3-Nitroaniline	ND		10	0.95	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Nitroaniline	ND		10	3.5	ug/L		10/08/25 10:18	10/10/25 14:51	1
Nitrobenzene	ND		10	0.60	ug/L		10/08/25 10:18	10/10/25 14:51	1
2-Nitrophenol	ND		10	1.2	ug/L		10/08/25 10:18	10/10/25 14:51	1
4-Nitrophenol	ND		10	2.7	ug/L		10/08/25 10:18	10/10/25 14:51	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/08/25 10:18	10/10/25 14:51	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/08/25 10:18	10/10/25 14:51	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/08/25 10:18	10/10/25 14:51	1
Pentachlorophenol	ND		10	2.8	ug/L		10/08/25 10:18	10/10/25 14:51	1
Phenol	ND		10	0.68	ug/L		10/08/25 10:18	10/10/25 14:51	1
Pyridine	ND		10	3.0	ug/L		10/08/25 10:18	10/10/25 14:51	1
Quinoline	ND		10	0.50	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/08/25 10:18	10/10/25 14:51	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/08/25 10:18	10/10/25 14:51	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726052/1-A
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726052

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		15 - 150	10/08/25 10:18	10/10/25 14:51	1
Nitrobenzene-d5	80		50 - 150	10/08/25 10:18	10/10/25 14:51	1
Terphenyl-d14	96		43 - 147	10/08/25 10:18	10/10/25 14:51	1
2-Fluorobiphenyl	99		25 - 139	10/08/25 10:18	10/10/25 14:51	1
2-Fluorophenol	96		10 - 150	10/08/25 10:18	10/10/25 14:51	1
Nitrobenzene-d5	80		22 - 150	10/08/25 10:18	10/10/25 14:51	1
Phenol-d5	98		10 - 150	10/08/25 10:18	10/10/25 14:51	1
Terphenyl-d14	96		28 - 150	10/08/25 10:18	10/10/25 14:51	1
2,4,6-Tribromophenol	103		10 - 150	10/08/25 10:18	10/10/25 14:51	1

Lab Sample ID: LCS 400-726052/2-A
Matrix: Water
Analysis Batch: 726375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	30.4		ug/L		91	29 - 150
Aniline	33.3	37.2		ug/L		111	10 - 134
Acenaphthylene	33.3	30.5		ug/L		91	30 - 150
Anthracene	33.3	27.7		ug/L		83	31 - 150
Benzoic acid	152	121		ug/L		80	10 - 180
Benzo[a]anthracene	33.3	32.3		ug/L		97	36 - 150
Benzyl alcohol	33.3	40.2		ug/L		121	10 - 150
Benzo[a]pyrene	33.3	31.2		ug/L		94	29 - 150
Bis(2-chloroethoxy)methane	33.3	34.0		ug/L		102	34 - 120
Benzo[b]fluoranthene	33.3	31.7		ug/L		95	32 - 150
Bis(2-chloroethyl)ether	33.3	31.6		ug/L		95	32 - 114
Benzo[g,h,i]perylene	33.3	31.5		ug/L		95	28 - 150
bis (2-chloroisopropyl) ether	33.3	31.5		ug/L		94	32 - 115
Benzo[k]fluoranthene	33.3	31.7		ug/L		95	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	32.6		ug/L		98	24 - 133
4-Bromophenyl phenyl ether	33.3	29.1		ug/L		87	24 - 120
Chrysene	33.3	31.2		ug/L		94	34 - 150
Butyl benzyl phthalate	33.3	26.0		ug/L		78	24 - 140
Dibenz(a,h)anthracene	33.3	31.3		ug/L		94	29 - 150
4-Chloroaniline	33.3	31.7		ug/L		95	10 - 150
Fluoranthene	33.3	30.3		ug/L		91	30 - 150
4-Chloro-3-methylphenol	33.3	31.5		ug/L		95	10 - 137
Fluorene	33.3	28.4		ug/L		85	30 - 150
2-Chloronaphthalene	33.3	51.5	*+	ug/L		154	10 - 150
2-Chlorophenol	33.3	33.2		ug/L		100	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	28.9		ug/L		87	28 - 150
1-Methylnaphthalene	33.3	26.9		ug/L		81	25 - 150
4-Chlorophenyl phenyl ether	33.3	32.5		ug/L		97	31 - 110
2-Methylnaphthalene	33.3	29.6		ug/L		89	24 - 150
Dibenz[a,h]acridine	33.3	40.0		ug/L		120	40 - 150
Dibenzofuran	33.3	33.1		ug/L		99	35 - 110
3,3'-Dichlorobenzidine	66.7	45.0		ug/L		67	10 - 150
Phenanthrene	33.3	27.5		ug/L		83	32 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726052/2-A
Matrix: Water
Analysis Batch: 726376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	33.3	28.6		ug/L		86	30 - 125
Pyrene	33.3	30.5		ug/L		92	30 - 150
Diethyl phthalate	33.3	26.1		ug/L		78	31 - 118
2,4-Dimethylphenol	33.3	26.8		ug/L		80	10 - 142
Dimethyl phthalate	33.3	22.0		ug/L		66	24 - 125
Di-n-butyl phthalate	33.3	27.2		ug/L		82	30 - 127
4,6-Dinitro-ortho-cresol	66.7	55.5		ug/L		83	10 - 150
2,4-Dinitrophenol	66.7	57.6		ug/L		86	10 - 150
2,4-Dinitrotoluene	33.3	27.3		ug/L		82	30 - 129
2,6-Dinitrotoluene	33.3	31.2		ug/L		93	34 - 132
Di-n-octyl phthalate	33.3	34.6		ug/L		104	28 - 142
1,4-Dioxane	33.3	38.9		ug/L		117	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	34.4		ug/L		103	29 - 121
Hexachlorobenzene	33.3	31.2		ug/L		93	29 - 113
Hexachlorocyclopentadiene	33.3	21.7		ug/L		65	10 - 150
Hexachloroethane	33.3	23.3		ug/L		70	10 - 112
Indene	33.3	26.0		ug/L		78	10 - 113
Isophorone	33.3	31.3		ug/L		94	29 - 125
2-Methylphenol	33.3	31.4		ug/L		94	11 - 121
3 & 4 Methylphenol	33.3	36.9		ug/L		111	10 - 150
2-Nitroaniline	33.3	32.4		ug/L		97	31 - 141
3-Nitroaniline	33.3	28.5		ug/L		86	33 - 136
4-Nitroaniline	33.3	32.9		ug/L		99	37 - 139
Nitrobenzene	33.3	24.4		ug/L		73	29 - 129
2-Nitrophenol	33.3	28.1		ug/L		84	31 - 142
4-Nitrophenol	66.7	74.1		ug/L		111	10 - 150
N-Nitrosodimethylamine	33.3	35.6		ug/L		107	10 - 136
N-Nitrosodi-n-propylamine	33.3	34.6		ug/L		104	53 - 134
N-Nitrosodiphenylamine	33.1	34.6		ug/L		105	62 - 132
Pentachlorophenol	66.7	71.9		ug/L		108	14 - 150
Phenol	33.3	43.0		ug/L		129	10 - 150
Pyridine	66.7	50.2		ug/L		75	10 - 150
Quinoline	33.3	38.5		ug/L		116	50 - 150
2,4,5-Trichlorophenol	33.3	37.2		ug/L		112	27 - 136
2,4,6-Trichlorophenol	33.3	37.3		ug/L		112	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*15 - 150*
Nitrobenzene-d5	*78*		*50 - 150*
Terphenyl-d14	*88*		*43 - 147*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*121*		*10 - 150*
Terphenyl-d14	*88*		*28 - 150*
2,4,6-Tribromophenol	*105*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726052/3-A
Matrix: Water
Analysis Batch: 726376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	23.0		ug/L		69	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*25 - 139*
2-Fluorophenol	*76*		*10 - 150*
Nitrobenzene-d5	*83*		*22 - 150*
Phenol-d5	*70*		*10 - 150*
Terphenyl-d14	*96*		*28 - 150*
2,4,6-Tribromophenol	*108*		*10 - 150*

Lab Sample ID: LCSD 400-726052/4-A
Matrix: Water
Analysis Batch: 726376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726052

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	17.8		ug/L		53	10 - 150	26	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*91*		*10 - 150*
Nitrobenzene-d5	*79*		*22 - 150*
Phenol-d5	*96*		*10 - 150*
Terphenyl-d14	*86*		*28 - 150*
2,4,6-Tribromophenol	*100*		*10 - 150*

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 726375

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		34.1	29.2		ug/L		86	50 - 150		
Aniline	ND		34.1	39.0		ug/L		114	50 - 150		
Acenaphthylene	ND		34.1	30.2		ug/L		88	50 - 150		
Anthracene	ND		34.1	27.3		ug/L		80	50 - 150		
Benzoic acid	ND		156	162		ug/L		104	50 - 150		
Benzo[a]anthracene	ND		34.1	29.3		ug/L		86	50 - 150		
Benzyl alcohol	ND		34.1	39.7		ug/L		116	50 - 150		
Benzo[a]pyrene	ND		34.1	29.7		ug/L		87	50 - 150		
Bis(2-chloroethoxy)methane	ND		34.1	34.2		ug/L		100	50 - 150		
Benzo[b]fluoranthene	ND		34.1	29.9		ug/L		88	50 - 150		
Bis(2-chloroethyl)ether	ND		34.1	32.8		ug/L		96	50 - 150		
Benzo[g,h,i]perylene	ND		34.1	29.6		ug/L		87	50 - 150		
bis (2-chloroisopropyl) ether	ND		34.1	33.1		ug/L		97	50 - 150		
Benzo[k]fluoranthene	ND		34.1	30.4		ug/L		89	50 - 150		
Bis(2-ethylhexyl) phthalate	ND		34.1	30.7		ug/L		90	50 - 150		
4-Bromophenyl phenyl ether	ND		34.1	27.0		ug/L		79	50 - 150		
Chrysene	ND		34.1	28.5		ug/L		83	50 - 150		
Butyl benzyl phthalate	ND		34.1	28.0		ug/L		82	50 - 150		

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 726375

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	ND		34.1	29.9		ug/L		88	50 - 150
4-Chloroaniline	ND		34.1	32.9		ug/L		97	50 - 150
Fluoranthene	ND		34.1	29.5		ug/L		86	50 - 150
4-Chloro-3-methylphenol	ND		34.1	31.7		ug/L		93	50 - 150
Fluorene	ND		34.1	26.6		ug/L		78	50 - 150
2-Chloronaphthalene	ND	*+	34.1	34.4		ug/L		101	50 - 150
2-Chlorophenol	ND		34.1	33.6		ug/L		98	50 - 150
Indeno[1,2,3-cd]pyrene	ND		34.1	27.4		ug/L		80	50 - 150
1-Methylnaphthalene	ND		34.1	26.2		ug/L		77	50 - 150
4-Chlorophenyl phenyl ether	ND		34.1	29.1		ug/L		85	50 - 150
2-Methylnaphthalene	ND		34.1	29.2		ug/L		85	50 - 150
Dibenz[a,h]acridine	ND		34.0	39.2		ug/L		115	50 - 150
Dibenzofuran	ND		34.1	31.3		ug/L		92	50 - 150
3,3'-Dichlorobenzidine	ND		68.3	49.1		ug/L		72	50 - 150
Phenanthrene	ND		34.1	26.5		ug/L		78	50 - 150
2,4-Dichlorophenol	ND		34.1	29.0		ug/L		85	50 - 150
Pyrene	ND		34.1	29.8		ug/L		87	50 - 150
Diethyl phthalate	ND		34.1	27.4		ug/L		80	50 - 150
2,4-Dimethylphenol	ND		34.1	27.9		ug/L		82	50 - 150
Dimethyl phthalate	ND		34.1	22.7		ug/L		67	50 - 150
Di-n-butyl phthalate	ND		34.1	30.0		ug/L		88	50 - 150
4,6-Dinitro-ortho-cresol	ND		68.3	62.4		ug/L		91	50 - 150
2,4-Dinitrophenol	ND		68.3	66.9		ug/L		98	50 - 150
2,4-Dinitrotoluene	ND		34.1	27.8		ug/L		81	50 - 150
2,6-Dinitrotoluene	ND		34.1	33.1		ug/L		97	50 - 150
Di-n-octyl phthalate	ND		34.1	32.2		ug/L		94	50 - 150
1,4-Dioxane	ND		34.1	40.3		ug/L		118	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		34.1	32.3		ug/L		95	50 - 150
Hexachlorobenzene	ND		34.1	28.4		ug/L		83	50 - 150
Hexachlorocyclopentadiene	ND		34.1	22.7		ug/L		67	50 - 150
Hexachloroethane	ND		34.1	23.1		ug/L		68	50 - 150
Indene	ND		34.1	26.7		ug/L		78	50 - 150
Isophorone	ND		34.1	32.6		ug/L		95	50 - 150
2-Methylphenol	ND		34.1	31.9		ug/L		93	50 - 150
3 & 4 Methylphenol	ND		34.1	38.4		ug/L		113	50 - 150
2-Nitroaniline	ND		34.1	35.1		ug/L		103	50 - 150
3-Nitroaniline	ND		34.1	31.6		ug/L		93	50 - 150
4-Nitroaniline	ND		34.1	35.1		ug/L		103	50 - 150
Nitrobenzene	ND		34.1	26.1		ug/L		76	50 - 150
2-Nitrophenol	ND		34.1	28.4		ug/L		83	50 - 150
4-Nitrophenol	ND		68.3	76.2		ug/L		112	50 - 150
N-Nitrosodimethylamine	ND		34.1	36.9		ug/L		108	50 - 150
N-Nitrosodi-n-propylamine	ND		34.1	34.8		ug/L		102	50 - 150
N-Nitrosodiphenylamine	ND		33.9	34.3		ug/L		101	50 - 150
Pentachlorophenol	ND		68.3	73.4		ug/L		108	50 - 150
Phenol	ND		34.1	41.2		ug/L		121	50 - 150
Pyridine	ND		68.3	48.7		ug/L		71	50 - 150
Quinoline	ND		34.0	40.4		ug/L		119	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283673-5 MS
Matrix: Water
Analysis Batch: 726376

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		34.1	36.3		ug/L		106	50 - 150
2,4,6-Trichlorophenol	ND		34.1	36.0		ug/L		105	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Terphenyl-d14	*51*		*43 - 147*
2-Fluorobiphenyl	*89*		*25 - 139*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*83*		*22 - 150*
Phenol-d5	*114*		*10 - 150*
Terphenyl-d14	*51*		*28 - 150*
2,4,6-Tribromophenol	*99*		*10 - 150*

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 726375

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		33.8	31.0		ug/L		92	50 - 150	6	40
Aniline	ND		33.8	39.0		ug/L		115	50 - 150	0	40
Acenaphthylene	ND		33.8	31.8		ug/L		94	50 - 150	5	40
Anthracene	ND		33.8	28.3		ug/L		84	50 - 150	4	40
Benzoic acid	ND		154	157		ug/L		102	50 - 150	3	40
Benzo[a]anthracene	ND		33.8	29.9		ug/L		88	50 - 150	2	40
Benzyl alcohol	ND		33.8	37.4		ug/L		111	50 - 150	6	40
Benzo[a]pyrene	ND		33.8	30.6		ug/L		90	50 - 150	3	40
Bis(2-chloroethoxy)methane	ND		33.8	35.8		ug/L		106	50 - 150	5	40
Benzo[b]fluoranthene	ND		33.8	31.2		ug/L		92	50 - 150	4	40
Bis(2-chloroethyl)ether	ND		33.8	33.2		ug/L		98	50 - 150	1	40
Benzo[g,h,i]perylene	ND		33.8	30.1		ug/L		89	50 - 150	2	40
bis (2-chloroisopropyl) ether	ND		33.8	33.4		ug/L		99	50 - 150	1	40
Benzo[k]fluoranthene	ND		33.8	30.7		ug/L		91	50 - 150	1	40
Bis(2-ethylhexyl) phthalate	ND		33.8	31.1		ug/L		92	50 - 150	1	40
4-Bromophenyl phenyl ether	ND		33.8	28.1		ug/L		83	50 - 150	4	40
Chrysene	ND		33.8	28.3		ug/L		84	50 - 150	1	40
Butyl benzyl phthalate	ND		33.8	27.9		ug/L		83	50 - 150	0	40
Dibenz(a,h)anthracene	ND		33.8	30.5		ug/L		90	50 - 150	2	40
4-Chloroaniline	ND		33.8	34.0		ug/L		100	50 - 150	3	40
Fluoranthene	ND		33.8	30.3		ug/L		90	50 - 150	3	40
4-Chloro-3-methylphenol	ND		33.8	33.7		ug/L		100	50 - 150	6	40
Fluorene	ND		33.8	28.2		ug/L		83	50 - 150	6	40
2-Chloronaphthalene	ND	*+	33.8	35.8		ug/L		106	50 - 150	4	40
2-Chlorophenol	ND		33.8	33.6		ug/L		99	50 - 150	0	40
Indeno[1,2,3-cd]pyrene	ND		33.8	27.9		ug/L		83	50 - 150	2	40
1-Methylnaphthalene	ND		33.8	28.2		ug/L		84	50 - 150	7	40
4-Chlorophenyl phenyl ether	ND		33.8	30.8		ug/L		91	50 - 150	6	40
2-Methylnaphthalene	ND		33.8	31.2		ug/L		92	50 - 150	7	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 726376

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz[a,h]acridine	ND		33.7	40.2		ug/L		119	50 - 150	3	40
Dibenzofuran	ND		33.8	32.7		ug/L		97	50 - 150	4	40
3,3'-Dichlorobenzidine	ND		67.6	51.5		ug/L		76	50 - 150	5	40
Phenanthrene	ND		33.8	27.5		ug/L		81	50 - 150	4	40
2,4-Dichlorophenol	ND		33.8	30.6		ug/L		90	50 - 150	5	40
Pyrene	ND		33.8	30.6		ug/L		91	50 - 150	3	40
Diethyl phthalate	ND		33.8	28.4		ug/L		84	50 - 150	4	40
2,4-Dimethylphenol	ND		33.8	28.9		ug/L		85	50 - 150	4	40
Dimethyl phthalate	ND		33.8	23.9		ug/L		71	50 - 150	5	40
Di-n-butyl phthalate	ND		33.8	30.0		ug/L		89	50 - 150	0	40
4,6-Dinitro-ortho-cresol	ND		67.6	69.6		ug/L		103	50 - 150	11	40
2,4-Dinitrophenol	ND		67.6	72.8		ug/L		108	50 - 150	8	40
2,4-Dinitrotoluene	ND		33.8	30.5		ug/L		90	50 - 150	9	40
2,6-Dinitrotoluene	ND		33.8	36.3		ug/L		107	50 - 150	9	40
Di-n-octyl phthalate	ND		33.8	32.7		ug/L		97	50 - 150	1	40
1,4-Dioxane	ND		33.8	37.8		ug/L		112	50 - 150	6	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.8	33.9		ug/L		100	50 - 150	5	40
Hexachlorobenzene	ND		33.8	29.4		ug/L		87	50 - 150	3	40
Hexachlorocyclopentadiene	ND		33.8	26.9		ug/L		80	50 - 150	17	40
Hexachloroethane	ND		33.8	24.9		ug/L		74	50 - 150	7	40
Indene	ND		33.8	27.8		ug/L		82	50 - 150	4	40
Isophorone	ND		33.8	32.8		ug/L		97	50 - 150	1	40
2-Methylphenol	ND		33.8	31.8		ug/L		94	50 - 150	0	40
3 & 4 Methylphenol	ND		33.8	37.2		ug/L		110	50 - 150	3	40
2-Nitroaniline	ND		33.8	38.5		ug/L		114	50 - 150	9	40
3-Nitroaniline	ND		33.8	33.3		ug/L		98	50 - 150	5	40
4-Nitroaniline	ND		33.8	36.7		ug/L		109	50 - 150	4	40
Nitrobenzene	ND		33.8	27.2		ug/L		81	50 - 150	4	40
2-Nitrophenol	ND		33.8	31.5		ug/L		93	50 - 150	10	40
4-Nitrophenol	ND		67.6	73.8		ug/L		109	50 - 150	3	40
N-Nitrosodimethylamine	ND		33.8	35.1		ug/L		104	50 - 150	5	40
N-Nitrosodi-n-propylamine	ND		33.8	36.5		ug/L		108	50 - 150	5	40
N-Nitrosodiphenylamine	ND		33.5	35.7		ug/L		107	50 - 150	4	40
Pentachlorophenol	ND		67.6	77.9		ug/L		115	50 - 150	6	40
Phenol	ND		33.8	35.3		ug/L		104	50 - 150	16	40
Pyridine	ND		67.6	53.2		ug/L		79	50 - 150	9	40
Quinoline	ND		33.7	40.8		ug/L		121	50 - 150	1	40
2,4,5-Trichlorophenol	ND		33.8	37.9		ug/L		112	50 - 150	4	40
2,4,6-Trichlorophenol	ND		33.8	37.9		ug/L		112	50 - 150	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*15 - 150*
Nitrobenzene-d5	*88*		*50 - 150*
Terphenyl-d14	*53*		*43 - 147*
2-Fluorobiphenyl	*93*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*88*		*22 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283673-5 MSD
Matrix: Water
Analysis Batch: 726376

Client Sample ID: MW10-ROX-100625
Prep Type: Total/NA
Prep Batch: 726052

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5	98		10 - 150
Terphenyl-d14	53		28 - 150
2,4,6-Tribromophenol	96		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/6/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO	E-MAIL	AECOM Other ID:
100 N Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN T.JENKINS

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

FIELD NOTES:

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100625-8260	10/6/2025	0000	Water	2					2	X			
	TB-ROX-100625-8260SIM	10/6/2025	0000	Water	2					2		X		
	MW9-ROX-100625-EB	10/6/2025	0850	Water	6			4		10	X	X	X	X
	MW9-ROX-100625	10/6/2025	1040	Water	6			4		10	X	X	X	X
	MW10-ROX-100625	10/6/2025	1155	Water	6			4		10	X	X	X	X
	MW10-ROX-100625-MS	10/6/2025	1155	Water	6			4		10	X	X	X	X
	MW10-ROX-100625-MSD	10/6/2025	1155	Water	6			4		10	X	X	X	X
	MW11-ROX-100625	10/6/2025	1335	Water	6			4		10	X	X	X	X

For ROX 100625

400-283673 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX. 4234 9608 5432	10/6/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Bankston	Date: 10/7/25	Time: 950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698068/ 2698069

1.5°C/IR10

10/21/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-386640 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400 283673-1
Address	**Due Date Requested**			**Preservation Codes:**
18410 Crossing Drive, Suite E,	10/16/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708-534 5200(Tel) 708 534-5211(Fax	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			**Other.**
N/A	N/A			N/A

400-283673 COC

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note
			Preservation Code:						
TB ROX-100625-8260 (400 283673 1)	10/6/25	Central	G	Water			X	2	
MW9 ROX-100625 EB (400-283673-3)	10/6/25	08.50 Central	G	Water			X	3	
MW9-ROX-100625 (400-283673-4)	10/6/25	10.40 Central	G	Water			X	3	
MW10 ROX 100625 (400-283673-5)	10/6/25	11.55 Central	G	Water			X	3	
MW10 ROX-100625 (400 283673 5MS)	10/6/25	11.55 Central	G	Water			X	3	
MW10 ROX 100625 (400-283673 5MSD)	10/6/25	11 55 Central	G	Water			X	3	
MW11-ROX-100625 (400-283673-6)	10/6/25	13:35 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/7/25 17W			10/8/25 0935	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		0.0 → 0.0

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283673-1

Login Number: 283673
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283673-1

Login Number: 283673
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/08/25 06:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283673-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283769-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/2/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/12/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.		X		
Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative. The laboratory case narrative noted that one sample container was received broken. No qualification of data was required.					
Holding Times	Analyses were performed within holding time.		X		
Method 8270E All SVOCs in samples MW12-ROX-100725 and MW26-ROX-100725 were re-extracted 1 day outside of extraction time criteria (7 days) and then re-analyzed due to no, or low, quality control surrogate recoveries in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in samples MW12-ROX-040825 and MW26-ROX-040825 were reported from the primary run.					
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW12-ROX-100725	SVOCs	2-Fluorophenol	7	10-150
MW12-ROX-100725	SVOCs	Phenol-d5	2	10-150
MW26-ROX-100725	SVOCs	2-Fluorophenol	7	10-150
MW26-ROX-100725	SVOCs	Phenol-d5	2	10-150

Professional judgement was used to qualify as estimated, however, not reject the SVOCs results associated with samples MW12-ROX-100725 and MW26-ROX-100725 due to poor surrogate recoveries. All acidic SVOCs in samples MW12-ROX-040825 and MW26-ROX-040825 were qualified as estimated (UJ).

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW12-ROX-100725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	52-136/20
MW12-ROX-100725 MS/MSD	VOCs	Dichlorodifluoromethane	**37/33**	10	40-159/20
MW12-ROX-100725 MS/MSD	SVOCs	Benzoic acid	**175/182**	3	50-150/40
MW12-ROX-100725 MS/MSD	SVOCs	3,3'-Dichlorobenzidine	**43/49**	12	50-150/40
MW12-ROX-100725 MS/MSD	SVOCs	Diethyl phthalate	**46**/**47**	2	50-150/40
MW12-ROX-100725 MS/MSD	SVOCs	2,4-Dimethylphenol	**42**/57	31	50-150/40
MW12-ROX-100725 MS/MSD	SVOCs	Dimethyl phthalate	**49**/50	2	50-150/40

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
MW12-ROX-100725	VOCs	2-Chloroethyl vinyl ether	UJ
MW12-ROX-100725	SVOCs	3,3'-Dichlorobenzidine	UJ
MW12-ROX-100725	SVOCs	Diethyl phthalate	UJ
MW12-ROX-100725	SVOCs	Dimethyl phthalate	UJ

Dichlorodifluoromethane in sample MW12-ROX-100725 was previously qualified due to LCS recoveries outside criteria; no further qualification required.

2,4-Dimethylphenol was previously qualified due to surrogate recoveries outside criteria; no further qualification was required.

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 500-838414/4 LCSD 500-838414/5	VOCs	Dichlorodifluoromethane	41/**38**	8	40-159/20

Analytical data that required qualification based on LCS/LCSD data are referenced below.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-100725	VOCs	Dichlorodifluoromethane	UJ
MW12-ROX-100725	VOCs	Dichlorodifluoromethane	UJ
MW26-ROX-100725	VOCs	Dichlorodifluoromethane	UJ

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8260D (VOCs) The initial calibration verification (ICV)and continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Dichlorodifluoromethane in samples MW12-ROX-100725, MW16-ROX-100725 and MW26-ROX-100725 was previously qualified due to LCS recoveries outside criteria; no further qualification required. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-100725	VOCs	Acrolein	UJ
MW16-ROX-100725	VOCs	Acetone	UJ
MW16-ROX-100725	VOCs	2-Butanone (MEK)	UJ
MW16-ROX-100725	VOCs	2-Hexanone	UJ
MW16-ROX-100725	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW12-ROX-100725	VOCs	Acrolein	UJ
MW12-ROX-100725	VOCs	Acetone	UJ
MW12-ROX-100725	VOCs	2-Butanone (MEK)	UJ
MW12-ROX-100725	VOCs	2-Hexanone	UJ
MW12-ROX-100725	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW26-ROX-100725	VOCs	Acrolein	UJ
MW26-ROX-100725	VOCs	Acetone	UJ
MW26-ROX-100725	VOCs	2-Butanone (MEK)	UJ
MW26-ROX-100725	VOCs	2-Hexanone	UJ
MW26-ROX-100725	VOCs	4-Methyl-2-pentanone (MIBK)	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	the primary and confirmation columns.				
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/21/2025 7:28:46 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283769-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
10/21/2025 7:28:46 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-283769-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/8/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Receipt Exceptions
1-B for the following sample(s) was received broken

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838414 was above the method criteria for the following analyte(s): Vinyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838414 was below the method criteria for the following analyte(s): Acetone, 2-Butanone (MEK), Dichlorodifluoromethane, 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 500-838414: Dichlorodifluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-838414 were outside control limits for one or more analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726533 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-726490 and analytical batch 400-726533 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270E_QQQ: The following samples were re-prepared outside of preparation holding time due to some surrogates failing on previous run

MW12-ROX-100725 (400-283769-4) and MW26-ROX-100725 (400-283769-5).

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the

data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered outside acceptance criteria, low biased, for Dimethyl phthalate and Diethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-726759 and analytical batch 400-727077 recovered outside control limits for the following analytes: 2-Chloronaphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: Surrogate recovery for the following samples were outside control limits: MW12-ROX-100725 (400-283769-4) and MW26-ROX-100725 (400-283769-5). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283769-1	TB-ROX-100725-8260	Water	10/07/25 00:00	10/08/25 09:15	Illinois
400-283769-2	TB-ROX-100725-8260SIM	Water	10/07/25 00:00	10/08/25 09:15	Illinois
400-283769-3	MW16-ROX-100725	Water	10/07/25 09:40	10/08/25 09:15	Illinois
400-283769-4	MW12-ROX-100725	Water	10/07/25 11:00	10/08/25 09:15	Illinois
400-283769-5	MW26-ROX-100725	Water	10/07/25 13:20	10/08/25 09:15	Illinois

Detection Summary

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100725-8260 — Lab Sample ID: 400-283769-1

No Detections.

Client Sample ID: TB-ROX-100725-8260SIM — Lab Sample ID: 400-283769-2

No Detections.

Client Sample ID: MW16-ROX-100725 — Lab Sample ID: 400-283769-3

No Detections.

Client Sample ID: MW12-ROX-100725 — Lab Sample ID: 400-283769-4

No Detections.

Client Sample ID: MW26-ROX-100725 — Lab Sample ID: 400-283769-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Client Sample ID: TB-ROX-100725-8260
Date Collected: 10/07/25 00:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/16/25 11:21	1
Acrolein	ND		100	35	ug/L			10/16/25 11:21	1
Acrylonitrile	ND		20	6.0	ug/L			10/16/25 11:21	1
Benzene	ND		0.50	0.18	ug/L			10/16/25 11:21	1
Bromobenzene	ND		1.0	0.60	ug/L			10/16/25 11:21	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/16/25 11:21	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/16/25 11:21	1
Bromoform	ND		1.0	0.96	ug/L			10/16/25 11:21	1
Bromomethane	ND		3.0	1.8	ug/L			10/16/25 11:21	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/16/25 11:21	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/16/25 11:21	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/16/25 11:21	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/16/25 11:21	1
Chloroethane	ND		5.0	0.47	ug/L			10/16/25 11:21	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/16/25 11:21	1
Chloroform	ND		2.0	0.92	ug/L			10/16/25 11:21	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/16/25 11:21	1
Chloromethane	ND		5.0	0.79	ug/L			10/16/25 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/16/25 11:21	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/16/25 11:21	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/16/25 11:21	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/16/25 11:21	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/16/25 11:21	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/16/25 11:21	1
Dichlorodifluoromethane	ND	*-	3.0	1.8	ug/L			10/16/25 11:21	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/16/25 11:21	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/16/25 11:21	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/16/25 11:21	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/16/25 11:21	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/16/25 11:21	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/16/25 11:21	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/16/25 11:21	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 11:21	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/16/25 11:21	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/16/25 11:21	1
2-Hexanone	ND		5.0	2.2	ug/L			10/16/25 11:21	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/16/25 11:21	1
Methylene bromide	ND		1.0	0.58	ug/L			10/16/25 11:21	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/16/25 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/16/25 11:21	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/16/25 11:21	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 11:21	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/16/25 11:21	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/16/25 11:21	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/16/25 11:21	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 11:21	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/16/25 11:21	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/16/25 11:21	1

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100725-8260
Lab Sample ID: 400-283769-1
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/16/25 11:21	1
Styrene	ND		1.0	0.31	ug/L			10/16/25 11:21	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/16/25 11:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/16/25 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/16/25 11:21	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/16/25 11:21	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 11:21	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/16/25 11:21	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/16/25 11:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/16/25 11:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/16/25 11:21	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/16/25 11:21	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/16/25 11:21	1
Trichloroethene	ND		0.50	0.15	ug/L			10/16/25 11:21	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/16/25 11:21	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/16/25 11:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/16/25 11:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/16/25 11:21	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/16/25 11:21	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/16/25 11:21	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/16/25 11:21*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/25 11:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/16/25 11:21*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/16/25 11:21*	*1*

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100725-8260SIM
Lab Sample ID: 400-283769-2
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 09:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 08:26	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/16/25 08:26*	*1*
Toluene-d8 (Surr)	*93*		*50 - 150*		*10/16/25 08:26*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 08:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Client Sample ID: MW16-ROX-100725

Date Collected: 10/07/25 09:40
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 15:04	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/16/25 15:04*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/16/25 15:04*	*1*
4-Bromofluorobenzene	*89*		*50 - 150*		*10/16/25 15:04*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/16/25 15:51	1
Acrolein	ND	UJ	100	35	ug/L			10/16/25 15:51	1
Acrylonitrile	ND		20	6.0	ug/L			10/16/25 15:51	1
Benzene	ND		0.50	0.18	ug/L			10/16/25 15:51	1
Bromobenzene	ND		1.0	0.60	ug/L			10/16/25 15:51	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/16/25 15:51	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/16/25 15:51	1
Bromoform	ND		1.0	0.96	ug/L			10/16/25 15:51	1
Bromomethane	ND		3.0	1.8	ug/L			10/16/25 15:51	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/16/25 15:51	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/16/25 15:51	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/16/25 15:51	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/16/25 15:51	1
Chloroethane	ND		5.0	0.47	ug/L			10/16/25 15:51	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/16/25 15:51	1
Chloroform	ND		2.0	0.92	ug/L			10/16/25 15:51	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/16/25 15:51	1
Chloromethane	ND		5.0	0.79	ug/L			10/16/25 15:51	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/16/25 15:51	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/16/25 15:51	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/16/25 15:51	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/16/25 15:51	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/16/25 15:51	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/16/25 15:51	1
Dichlorodifluoromethane	ND	*- UJ	3.0	1.8	ug/L			10/16/25 15:51	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/16/25 15:51	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/16/25 15:51	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/16/25 15:51	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/16/25 15:51	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/16/25 15:51	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/16/25 15:51	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/16/25 15:51	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 15:51	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/16/25 15:51	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/16/25 15:51	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/16/25 15:51	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/16/25 15:51	1
Methylene bromide	ND		1.0	0.58	ug/L			10/16/25 15:51	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/16/25 15:51	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/16/25 15:51	1

Client Sample ID: MW16-ROX-100725
Date Collected: 10/07/25 09:40
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/16/25 15:51	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 15:51	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 15:51	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/16/25 15:51	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/16/25 15:51	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/16/25 15:51	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 15:51	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/16/25 15:51	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/16/25 15:51	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/16/25 15:51	1
Styrene	ND		1.0	0.31	ug/L			10/16/25 15:51	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/16/25 15:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/16/25 15:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/16/25 15:51	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/16/25 15:51	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 15:51	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/16/25 15:51	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/16/25 15:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/16/25 15:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/16/25 15:51	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/16/25 15:51	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/16/25 15:51	1
Trichloroethene	ND		0.50	0.15	ug/L			10/16/25 15:51	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/16/25 15:51	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/16/25 15:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/16/25 15:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/16/25 15:51	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/16/25 15:51	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/16/25 15:51	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/16/25 15:51*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/25 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/16/25 15:51*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/16/25 15:51*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/11/25 14:32	10/13/25 18:09	1
Aniline	ND		10	0.74	ug/L		10/11/25 14:32	10/13/25 18:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzenethiol	ND		10	0.60	ug/L		10/11/25 14:32	10/13/25 18:09	1
Anthracene	ND		0.20	0.073	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzoic acid	ND		100	80	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzyl alcohol	ND		35	30	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 18:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:32	10/13/25 18:09	1

Client Sample ID: MW16-ROX-100725
Date Collected: 10/07/25 09:40
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/11/25 14:32	10/13/25 18:09	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/11/25 14:32	10/13/25 18:09	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 18:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:32	10/13/25 18:09	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:32	10/13/25 18:09	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Chloroaniline	ND		10	0.58	ug/L		10/11/25 14:32	10/13/25 18:09	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/11/25 14:32	10/13/25 18:09	1
Fluorene	ND		0.20	0.087	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Chlorophenol	ND		10	0.84	ug/L		10/11/25 14:32	10/13/25 18:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 18:09	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/11/25 14:32	10/13/25 18:09	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/11/25 14:32	10/13/25 18:09	1
Dibenzofuran	ND		10	0.64	ug/L		10/11/25 14:32	10/13/25 18:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/11/25 14:32	10/13/25 18:09	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/11/25 14:32	10/13/25 18:09	1
Pyrene	ND		0.20	0.095	ug/L		10/11/25 14:32	10/13/25 18:09	1
Diethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 18:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/11/25 14:32	10/13/25 18:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:32	10/13/25 18:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
1,4-Dioxane	ND		10	4.3	ug/L		10/11/25 14:32	10/13/25 18:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/11/25 14:32	10/13/25 18:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:32	10/13/25 18:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:32	10/13/25 18:09	1
Hexachloroethane	ND		10	0.53	ug/L		10/11/25 14:32	10/13/25 18:09	1
Indene	ND		10	0.44	ug/L		10/11/25 14:32	10/13/25 18:09	1
Isophorone	ND		10	0.80	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Methylphenol	ND		10	0.76	ug/L		10/11/25 14:32	10/13/25 18:09	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:32	10/13/25 18:09	1
3-Nitroaniline	ND		10	0.95	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:32	10/13/25 18:09	1
Nitrobenzene	ND		10	0.60	ug/L		10/11/25 14:32	10/13/25 18:09	1
2-Nitrophenol	ND		10	1.2	ug/L		10/11/25 14:32	10/13/25 18:09	1
4-Nitrophenol	ND		10	2.7	ug/L		10/11/25 14:32	10/13/25 18:09	1

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW16-ROX-100725
Lab Sample ID: 400-283769-3
Date Collected: 10/07/25 09:40
Matrix: Water
Date Received: 10/08/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/11/25 14:32	10/13/25 18:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:32	10/13/25 18:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:32	10/13/25 18:09	1
Pentachlorophenol	ND		10	2.8	ug/L		10/11/25 14:32	10/13/25 18:09	1
Phenol	ND		10	0.68	ug/L		10/11/25 14:32	10/13/25 18:09	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:32	10/13/25 18:09	1
Quinoline	ND		10	0.50	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/11/25 14:32	10/13/25 18:09	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/11/25 14:32	10/13/25 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
Terphenyl-d14	*67*		*43 - 147*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
2-Fluorobiphenyl	*81*		*25 - 139*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
2-Fluorophenol	*93*		*10 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
Nitrobenzene-d5	*91*		*22 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
Phenol-d5	*86*		*10 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
Terphenyl-d14	*67*		*28 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*10/11/25 14:32*	*10/13/25 18:09*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Client Sample ID: MW12-ROX-100725
Date Collected: 10/07/25 11:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 10:23	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/16/25 10:23*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/16/25 10:23*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 10:23*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/16/25 16:15	1
Acrolein	ND	UJ	100	35	ug/L			10/16/25 16:15	1
Acrylonitrile	ND		20	6.0	ug/L			10/16/25 16:15	1
Benzene	ND		0.50	0.18	ug/L			10/16/25 16:15	1
Bromobenzene	ND		1.0	0.60	ug/L			10/16/25 16:15	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/16/25 16:15	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/16/25 16:15	1
Bromoform	ND		1.0	0.96	ug/L			10/16/25 16:15	1
Bromomethane	ND		3.0	1.8	ug/L			10/16/25 16:15	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/16/25 16:15	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/16/25 16:15	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/16/25 16:15	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/16/25 16:15	1
Chloroethane	ND		5.0	0.47	ug/L			10/16/25 16:15	1
2-Chloroethyl vinyl ether	ND	F1 UJ	2.0	1.6	ug/L			10/16/25 16:15	1
Chloroform	ND		2.0	0.92	ug/L			10/16/25 16:15	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/16/25 16:15	1
Chloromethane	ND		5.0	0.79	ug/L			10/16/25 16:15	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/16/25 16:15	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/16/25 16:15	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/16/25 16:15	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/16/25 16:15	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/16/25 16:15	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/16/25 16:15	1
Dichlorodifluoromethane	ND	*- F1 UJ	3.0	1.8	ug/L			10/16/25 16:15	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/16/25 16:15	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/16/25 16:15	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/16/25 16:15	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/16/25 16:15	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/16/25 16:15	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/16/25 16:15	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/16/25 16:15	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 16:15	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/16/25 16:15	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/16/25 16:15	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/16/25 16:15	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/16/25 16:15	1
Methylene bromide	ND		1.0	0.58	ug/L			10/16/25 16:15	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/16/25 16:15	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/16/25 16:15	1

Client Sample ID: MW12-ROX-100725
Date Collected: 10/07/25 11:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/16/25 16:15	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 16:15	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 16:15	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/16/25 16:15	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/16/25 16:15	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/16/25 16:15	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 16:15	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/16/25 16:15	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/16/25 16:15	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/16/25 16:15	1
Styrene	ND		1.0	0.31	ug/L			10/16/25 16:15	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/16/25 16:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/16/25 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/16/25 16:15	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/16/25 16:15	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 16:15	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/16/25 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/16/25 16:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/16/25 16:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/16/25 16:15	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/16/25 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/16/25 16:15	1
Trichloroethene	ND		0.50	0.15	ug/L			10/16/25 16:15	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/16/25 16:15	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/16/25 16:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/16/25 16:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/16/25 16:15	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/16/25 16:15	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/16/25 16:15	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/16/25 16:15*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/16/25 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/16/25 16:15*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/16/25 16:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/11/25 14:32	10/13/25 17:39	1
Aniline	ND		10	0.74	ug/L		10/11/25 14:32	10/13/25 17:39	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzenethiol	ND	UJ	10	0.60	ug/L		10/11/25 14:32	10/13/25 17:39	1
Anthracene	ND		0.20	0.073	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzoic acid	ND	F1 UJ	100	80	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzyl alcohol	ND	UJ	35	30	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 17:39	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:32	10/13/25 17:39	1

Client Sample ID: MW12-ROX-100725
Date Collected: 10/07/25 11:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/11/25 14:32	10/13/25 17:39	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/11/25 14:32	10/13/25 17:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 17:39	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:32	10/13/25 17:39	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:32	10/13/25 17:39	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Chloroaniline	ND		10	0.58	ug/L		10/11/25 14:32	10/13/25 17:39	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Chloro-3-methylphenol	ND	UJ	10	0.73	ug/L		10/11/25 14:32	10/13/25 17:39	1
Fluorene	ND		0.20	0.087	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Chlorophenol	ND	UJ	10	0.84	ug/L		10/11/25 14:32	10/13/25 17:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 17:39	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/11/25 14:32	10/13/25 17:39	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/11/25 14:32	10/13/25 17:39	1
Dibenzofuran	ND		10	0.64	ug/L		10/11/25 14:32	10/13/25 17:39	1
3,3'-Dichlorobenzidine	ND	F1 UJ	11	0.41	ug/L		10/11/25 14:32	10/13/25 17:39	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4-Dichlorophenol	ND	UJ	10	0.57	ug/L		10/11/25 14:32	10/13/25 17:39	1
Pyrene	ND		0.20	0.095	ug/L		10/11/25 14:32	10/13/25 17:39	1
Diethyl phthalate	ND	F1 UJ	10	4.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4-Dimethylphenol	ND	F1 UJ	10	0.24	ug/L		10/11/25 14:32	10/13/25 17:39	1
Dimethyl phthalate	ND	F1 UJ	10	4.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/11/25 14:32	10/13/25 17:39	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:32	10/13/25 17:39	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
1,4-Dioxane	ND		10	4.3	ug/L		10/11/25 14:32	10/13/25 17:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/11/25 14:32	10/13/25 17:39	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:32	10/13/25 17:39	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:32	10/13/25 17:39	1
Hexachloroethane	ND		10	0.53	ug/L		10/11/25 14:32	10/13/25 17:39	1
Indene	ND		10	0.44	ug/L		10/11/25 14:32	10/13/25 17:39	1
Isophorone	ND		10	0.80	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Methylphenol	ND	UJ	10	0.76	ug/L		10/11/25 14:32	10/13/25 17:39	1
3 & 4 Methylphenol	ND	UJ	20	4.6	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:32	10/13/25 17:39	1
3-Nitroaniline	ND		10	0.95	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:32	10/13/25 17:39	1
Nitrobenzene	ND		10	0.60	ug/L		10/11/25 14:32	10/13/25 17:39	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		10/11/25 14:32	10/13/25 17:39	1
4-Nitrophenol	ND	UJ	10	2.7	ug/L		10/11/25 14:32	10/13/25 17:39	1

Client Sample ID: MW12-ROX-100725
Date Collected: 10/07/25 11:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/11/25 14:32	10/13/25 17:39	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:32	10/13/25 17:39	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:32	10/13/25 17:39	1
Pentachlorophenol	ND	UJ	10	2.8	ug/L		10/11/25 14:32	10/13/25 17:39	1
Phenol	ND	UJ	10	0.68	ug/L		10/11/25 14:32	10/13/25 17:39	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:32	10/13/25 17:39	1
Quinoline	ND		10	0.50	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4,5-Trichlorophenol	ND	UJ	10	0.54	ug/L		10/11/25 14:32	10/13/25 17:39	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		10/11/25 14:32	10/13/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
Nitrobenzene-d5	*97*		*50 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
Terphenyl-d14	*73*		*43 - 147*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
2-Fluorobiphenyl	*82*		*25 - 139*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
2-Fluorophenol	*7*	*S1-*	*10 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
Nitrobenzene-d5	*97*		*22 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
Phenol-d5	*2*	*S1-*	*10 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
Terphenyl-d14	*73*		*28 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*
2,4,6-Tribromophenol	*60*		*10 - 150*	*10/11/25 14:32*	*10/13/25 17:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	10	0.74	ug/L		10/15/25 11:06	10/17/25 00:41	1
Benzenethiol	ND	H	10	0.60	ug/L		10/15/25 11:06	10/17/25 00:41	1
Benzoic acid	ND	H	100	81	ug/L		10/15/25 11:06	10/17/25 00:41	1
Benzyl alcohol	ND	H	35	30	ug/L		10/15/25 11:06	10/17/25 00:41	1
Bis(2-chloroethoxy)methane	ND	H	10	0.34	ug/L		10/15/25 11:06	10/17/25 00:41	1
Bis(2-chloroethyl)ether	ND	H	10	0.73	ug/L		10/15/25 11:06	10/17/25 00:41	1
bis (2-chloroisopropyl) ether	ND	H	10	0.94	ug/L		10/15/25 11:06	10/17/25 00:41	1
Bis(2-ethylhexyl) phthalate	ND	H	10	4.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Bromophenyl phenyl ether	ND	H	10	0.13	ug/L		10/15/25 11:06	10/17/25 00:41	1
Butyl benzyl phthalate	ND	H	10	4.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Chloroaniline	ND	H	10	0.58	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Chloro-3-methylphenol	ND	H	10	0.73	ug/L		10/15/25 11:06	10/17/25 00:41	1
2-Chloronaphthalene	ND	H *+	10	0.38	ug/L		10/15/25 11:06	10/17/25 00:41	1
2-Chlorophenol	ND	H	10	0.85	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Chlorophenyl phenyl ether	ND	H	10	0.24	ug/L		10/15/25 11:06	10/17/25 00:41	1
Dibenz[a,h]acridine	ND	H	10	0.69	ug/L		10/15/25 11:06	10/17/25 00:41	1
Dibenzofuran	ND	H	10	0.64	ug/L		10/15/25 11:06	10/17/25 00:41	1
3,3'-Dichlorobenzidine	ND	H	11	0.41	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4-Dichlorophenol	ND	H	10	0.57	ug/L		10/15/25 11:06	10/17/25 00:41	1
Diethyl phthalate	ND	H	10	4.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4-Dimethylphenol	ND	H	10	0.24	ug/L		10/15/25 11:06	10/17/25 00:41	1
Dimethyl phthalate	ND	H	10	4.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
Di-n-butyl phthalate	ND	H	10	8.2	ug/L		10/15/25 11:06	10/17/25 00:41	1
4,6-Dinitro-ortho-cresol	ND	H	10	2.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4-Dinitrophenol	ND	H	30	4.7	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4-Dinitrotoluene	ND	H	10	0.65	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,6-Dinitrotoluene	ND	H	10	0.29	ug/L		10/15/25 11:06	10/17/25 00:41	1

Client Sample ID: MW12-ROX-100725
Date Collected: 10/07/25 11:00
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND	H	10	4.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
1,4-Dioxane	ND	H	10	4.3	ug/L		10/15/25 11:06	10/17/25 00:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	0.94	ug/L		10/15/25 11:06	10/17/25 00:41	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		10/15/25 11:06	10/17/25 00:41	1
Hexachlorocyclopentadiene	ND	H	20	0.32	ug/L		10/15/25 11:06	10/17/25 00:41	1
Hexachloroethane	ND	H	10	0.53	ug/L		10/15/25 11:06	10/17/25 00:41	1
Indene	ND	H	10	0.44	ug/L		10/15/25 11:06	10/17/25 00:41	1
Isophorone	ND	H	10	0.81	ug/L		10/15/25 11:06	10/17/25 00:41	1
2-Methylphenol	ND	H	10	0.77	ug/L		10/15/25 11:06	10/17/25 00:41	1
3 & 4 Methylphenol	ND	H	20	4.6	ug/L		10/15/25 11:06	10/17/25 00:41	1
2-Nitroaniline	ND	H	10	1.4	ug/L		10/15/25 11:06	10/17/25 00:41	1
3-Nitroaniline	ND	H	10	0.96	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Nitroaniline	ND	H	10	3.5	ug/L		10/15/25 11:06	10/17/25 00:41	1
Nitrobenzene	ND	H	10	0.60	ug/L		10/15/25 11:06	10/17/25 00:41	1
2-Nitrophenol	ND	H	10	1.2	ug/L		10/15/25 11:06	10/17/25 00:41	1
4-Nitrophenol	ND	H	10	2.8	ug/L		10/15/25 11:06	10/17/25 00:41	1
N-Nitrosodimethylamine	ND	H	10	0.98	ug/L		10/15/25 11:06	10/17/25 00:41	1
N-Nitrosodi-n-propylamine	ND	H	10	0.33	ug/L		10/15/25 11:06	10/17/25 00:41	1
N-Nitrosodiphenylamine	ND	H	10	0.19	ug/L		10/15/25 11:06	10/17/25 00:41	1
Pentachlorophenol	ND	H	10	2.8	ug/L		10/15/25 11:06	10/17/25 00:41	1
Phenol	ND	H	10	0.68	ug/L		10/15/25 11:06	10/17/25 00:41	1
Pyridine	ND	H	10	3.0	ug/L		10/15/25 11:06	10/17/25 00:41	1
Quinoline	ND	H	10	0.50	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4,5-Trichlorophenol	ND	H	10	0.54	ug/L		10/15/25 11:06	10/17/25 00:41	1
2,4,6-Trichlorophenol	ND	H	10	1.1	ug/L		10/15/25 11:06	10/17/25 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*25 - 139*	*10/15/25 11:06*	*10/17/25 00:41*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/15/25 11:06*	*10/17/25 00:41*	*1*
Nitrobenzene-d5	*89*		*22 - 150*	*10/15/25 11:06*	*10/17/25 00:41*	*1*
Phenol-d5	*55*		*10 - 150*	*10/15/25 11:06*	*10/17/25 00:41*	*1*
Terphenyl-d14	*55*		*28 - 150*	*10/15/25 11:06*	*10/17/25 00:41*	*1*
2,4,6-Tribromophenol	*79*		*10 - 150*	*10/15/25 11:06*	*10/17/25 00:41*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Client Sample ID: MW26-ROX-100725

Date Collected: 10/07/25 13:20
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 15:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/16/25 15:28*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/16/25 15:28*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 15:28*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/16/25 16:40	1
Acrolein	ND	UJ	100	35	ug/L			10/16/25 16:40	1
Acrylonitrile	ND		20	6.0	ug/L			10/16/25 16:40	1
Benzene	ND		0.50	0.18	ug/L			10/16/25 16:40	1
Bromobenzene	ND		1.0	0.60	ug/L			10/16/25 16:40	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/16/25 16:40	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/16/25 16:40	1
Bromoform	ND		1.0	0.96	ug/L			10/16/25 16:40	1
Bromomethane	ND		3.0	1.8	ug/L			10/16/25 16:40	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/16/25 16:40	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/16/25 16:40	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/16/25 16:40	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/16/25 16:40	1
Chloroethane	ND		5.0	0.47	ug/L			10/16/25 16:40	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/16/25 16:40	1
Chloroform	ND		2.0	0.92	ug/L			10/16/25 16:40	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/16/25 16:40	1
Chloromethane	ND		5.0	0.79	ug/L			10/16/25 16:40	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/16/25 16:40	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/16/25 16:40	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/16/25 16:40	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/16/25 16:40	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/16/25 16:40	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/16/25 16:40	1
Dichlorodifluoromethane	ND	*- UJ	3.0	1.8	ug/L			10/16/25 16:40	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/16/25 16:40	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/16/25 16:40	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/16/25 16:40	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/16/25 16:40	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/16/25 16:40	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/16/25 16:40	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/16/25 16:40	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 16:40	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/16/25 16:40	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/16/25 16:40	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/16/25 16:40	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/16/25 16:40	1
Methylene bromide	ND		1.0	0.58	ug/L			10/16/25 16:40	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/16/25 16:40	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/16/25 16:40	1

Client Sample ID: MW26-ROX-100725
Date Collected: 10/07/25 13:20
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/16/25 16:40	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 16:40	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 16:40	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/16/25 16:40	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/16/25 16:40	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/16/25 16:40	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 16:40	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/16/25 16:40	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/16/25 16:40	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/16/25 16:40	1
Styrene	ND		1.0	0.31	ug/L			10/16/25 16:40	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/16/25 16:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/16/25 16:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/16/25 16:40	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/16/25 16:40	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 16:40	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/16/25 16:40	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/16/25 16:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/16/25 16:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/16/25 16:40	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/16/25 16:40	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/16/25 16:40	1
Trichloroethene	ND		0.50	0.15	ug/L			10/16/25 16:40	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/16/25 16:40	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/16/25 16:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/16/25 16:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/16/25 16:40	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/16/25 16:40	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/16/25 16:40	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/16/25 16:40*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/16/25 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/16/25 16:40*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/16/25 16:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/11/25 14:32	10/13/25 18:39	1
Aniline	ND		10	0.75	ug/L		10/11/25 14:32	10/13/25 18:39	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzenethiol	ND	UJ	10	0.61	ug/L		10/11/25 14:32	10/13/25 18:39	1
Anthracene	ND		0.20	0.074	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzoic acid	ND	UJ	100	81	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzyl alcohol	ND	UJ	35	30	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 18:39	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:32	10/13/25 18:39	1

Client Sample ID: MW26-ROX-100725
Date Collected: 10/07/25 13:20
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/11/25 14:32	10/13/25 18:39	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/11/25 14:32	10/13/25 18:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 18:39	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:32	10/13/25 18:39	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:32	10/13/25 18:39	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Chloroaniline	ND		10	0.59	ug/L		10/11/25 14:32	10/13/25 18:39	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Chloro-3-methylphenol	ND	UJ	10	0.74	ug/L		10/11/25 14:32	10/13/25 18:39	1
Fluorene	ND		0.20	0.088	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Chlorophenol	ND	UJ	10	0.85	ug/L		10/11/25 14:32	10/13/25 18:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 18:39	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/11/25 14:32	10/13/25 18:39	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/11/25 14:32	10/13/25 18:39	1
Dibenzofuran	ND		10	0.65	ug/L		10/11/25 14:32	10/13/25 18:39	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/11/25 14:32	10/13/25 18:39	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4-Dichlorophenol	ND	UJ	10	0.58	ug/L		10/11/25 14:32	10/13/25 18:39	1
Pyrene	ND		0.20	0.096	ug/L		10/11/25 14:32	10/13/25 18:39	1
Diethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4-Dimethylphenol	ND	UJ	10	0.24	ug/L		10/11/25 14:32	10/13/25 18:39	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/11/25 14:32	10/13/25 18:39	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:32	10/13/25 18:39	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
1,4-Dioxane	ND		10	4.3	ug/L		10/11/25 14:32	10/13/25 18:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/11/25 14:32	10/13/25 18:39	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:32	10/13/25 18:39	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:32	10/13/25 18:39	1
Hexachloroethane	ND		10	0.54	ug/L		10/11/25 14:32	10/13/25 18:39	1
Indene	ND		10	0.44	ug/L		10/11/25 14:32	10/13/25 18:39	1
Isophorone	ND		10	0.81	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Methylphenol	ND	UJ	10	0.77	ug/L		10/11/25 14:32	10/13/25 18:39	1
3 & 4 Methylphenol	ND	UJ	20	4.6	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:32	10/13/25 18:39	1
3-Nitroaniline	ND		10	0.96	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:32	10/13/25 18:39	1
Nitrobenzene	ND		10	0.61	ug/L		10/11/25 14:32	10/13/25 18:39	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		10/11/25 14:32	10/13/25 18:39	1
4-Nitrophenol	ND	UJ	10	2.8	ug/L		10/11/25 14:32	10/13/25 18:39	1

Client Sample ID: MW26-ROX-100725
Date Collected: 10/07/25 13:20
Date Received: 10/08/25 09:15

Lab Sample ID: 400-283769-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/11/25 14:32	10/13/25 18:39	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:32	10/13/25 18:39	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:32	10/13/25 18:39	1
Pentachlorophenol	ND	UJ	10	2.8	ug/L		10/11/25 14:32	10/13/25 18:39	1
Phenol	ND	UJ	10	0.69	ug/L		10/11/25 14:32	10/13/25 18:39	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:32	10/13/25 18:39	1
Quinoline	ND		10	0.51	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4,5-Trichlorophenol	ND	UJ	10	0.55	ug/L		10/11/25 14:32	10/13/25 18:39	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		10/11/25 14:32	10/13/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
Terphenyl-d14	*64*		*43 - 147*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
2-Fluorophenol	*7*	*S1-*	*10 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
Phenol-d5	*2*	*S1-*	*10 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
Terphenyl-d14	*64*		*28 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*
2,4,6-Tribromophenol	*57*		*10 - 150*	*10/11/25 14:32*	*10/13/25 18:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	10	0.76	ug/L		10/15/25 11:06	10/17/25 01:11	1
Benzenethiol	ND	H	10	0.61	ug/L		10/15/25 11:06	10/17/25 01:11	1
Benzoic acid	ND	H	100	82	ug/L		10/15/25 11:06	10/17/25 01:11	1
Benzyl alcohol	ND	H	36	31	ug/L		10/15/25 11:06	10/17/25 01:11	1
Bis(2-chloroethoxy)methane	ND	H	10	0.35	ug/L		10/15/25 11:06	10/17/25 01:11	1
Bis(2-chloroethyl)ether	ND	H	10	0.74	ug/L		10/15/25 11:06	10/17/25 01:11	1
bis (2-chloroisopropyl) ether	ND	H	10	0.95	ug/L		10/15/25 11:06	10/17/25 01:11	1
Bis(2-ethylhexyl) phthalate	ND	H	10	4.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Bromophenyl phenyl ether	ND	H	10	0.13	ug/L		10/15/25 11:06	10/17/25 01:11	1
Butyl benzyl phthalate	ND	H	10	4.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Chloroaniline	ND	H	10	0.59	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Chloro-3-methylphenol	ND	H	10	0.74	ug/L		10/15/25 11:06	10/17/25 01:11	1
2-Chloronaphthalene	ND	H *+	10	0.39	ug/L		10/15/25 11:06	10/17/25 01:11	1
2-Chlorophenol	ND	H	10	0.86	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Chlorophenyl phenyl ether	ND	H	10	0.24	ug/L		10/15/25 11:06	10/17/25 01:11	1
Dibenz[a,h]acridine	ND	H	10	0.70	ug/L		10/15/25 11:06	10/17/25 01:11	1
Dibenzofuran	ND	H	10	0.65	ug/L		10/15/25 11:06	10/17/25 01:11	1
3,3'-Dichlorobenzidine	ND	H	11	0.42	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4-Dichlorophenol	ND	H	10	0.58	ug/L		10/15/25 11:06	10/17/25 01:11	1
Diethyl phthalate	ND	H	10	4.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4-Dimethylphenol	ND	H	10	0.24	ug/L		10/15/25 11:06	10/17/25 01:11	1
Dimethyl phthalate	ND	H	10	4.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
Di-n-butyl phthalate	ND	H	10	8.4	ug/L		10/15/25 11:06	10/17/25 01:11	1
4,6-Dinitro-ortho-cresol	ND	H	10	2.0	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4-Dinitrophenol	ND	H	31	4.8	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4-Dinitrotoluene	ND	H	10	0.66	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,6-Dinitrotoluene	ND	H	10	0.30	ug/L		10/15/25 11:06	10/17/25 01:11	1

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW26-ROX-100725
Lab Sample ID: 400-283769-5
Date Collected: 10/07/25 13:20
Matrix: Water
Date Received: 10/08/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND	H	10	4.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
1,4-Dioxane	ND	H	10	4.4	ug/L		10/15/25 11:06	10/17/25 01:11	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	0.95	ug/L		10/15/25 11:06	10/17/25 01:11	1
Hexachlorobenzene	ND	H	10	0.26	ug/L		10/15/25 11:06	10/17/25 01:11	1
Hexachlorocyclopentadiene	ND	H	20	0.33	ug/L		10/15/25 11:06	10/17/25 01:11	1
Hexachloroethane	ND	H	10	0.54	ug/L		10/15/25 11:06	10/17/25 01:11	1
Indene	ND	H	10	0.45	ug/L		10/15/25 11:06	10/17/25 01:11	1
Isophorone	ND	H	10	0.82	ug/L		10/15/25 11:06	10/17/25 01:11	1
2-Methylphenol	ND	H	10	0.78	ug/L		10/15/25 11:06	10/17/25 01:11	1
3 & 4 Methylphenol	ND	H	20	4.7	ug/L		10/15/25 11:06	10/17/25 01:11	1
2-Nitroaniline	ND	H	10	1.4	ug/L		10/15/25 11:06	10/17/25 01:11	1
3-Nitroaniline	ND	H	10	0.97	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Nitroaniline	ND	H	10	3.6	ug/L		10/15/25 11:06	10/17/25 01:11	1
Nitrobenzene	ND	H	10	0.61	ug/L		10/15/25 11:06	10/17/25 01:11	1
2-Nitrophenol	ND	H	10	1.2	ug/L		10/15/25 11:06	10/17/25 01:11	1
4-Nitrophenol	ND	H	10	2.8	ug/L		10/15/25 11:06	10/17/25 01:11	1
N-Nitrosodimethylamine	ND	H	10	0.99	ug/L		10/15/25 11:06	10/17/25 01:11	1
N-Nitrosodi-n-propylamine	ND	H	10	0.34	ug/L		10/15/25 11:06	10/17/25 01:11	1
N-Nitrosodiphenylamine	ND	H	10	0.19	ug/L		10/15/25 11:06	10/17/25 01:11	1
Pentachlorophenol	ND	H	10	2.9	ug/L		10/15/25 11:06	10/17/25 01:11	1
Phenol	ND	H	10	0.69	ug/L		10/15/25 11:06	10/17/25 01:11	1
Pyridine	ND	H	10	3.1	ug/L		10/15/25 11:06	10/17/25 01:11	1
Quinoline	ND	H	10	0.51	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4,5-Trichlorophenol	ND	H	10	0.55	ug/L		10/15/25 11:06	10/17/25 01:11	1
2,4,6-Trichlorophenol	ND	H	10	1.1	ug/L		10/15/25 11:06	10/17/25 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*25 - 139*	*10/15/25 11:06*	*10/17/25 01:11*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/15/25 11:06*	*10/17/25 01:11*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*10/15/25 11:06*	*10/17/25 01:11*	*1*
Phenol-d5	*62*		*10 - 150*	*10/15/25 11:06*	*10/17/25 01:11*	*1*
Terphenyl-d14	*61*		*28 - 150*	*10/15/25 11:06*	*10/17/25 01:11*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/15/25 11:06*	*10/17/25 01:11*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283769-1	TB-ROX-100725-8260	99	100	102	103
400-283769-3	MW16-ROX-100725	100	99	101	104
400-283769-4	MW12-ROX-100725	100	101	101	104
400-283769-4 MS	MW12-ROX-100725	92	99	98	102
400-283769-4 MSD	MW12-ROX-100725	92	99	99	103
400-283769-5	MW26-ROX-100725	101	99	101	105
LCS 500-838414/4	Lab Control Sample	92	99	97	105
LCSD 500-838414/5	Lab Control Sample Dup	93	98	97	103
MB 500-838414/8	Method Blank	100	100	102	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283769-2	TB-ROX-100725-8260SIM	110	93	92
400-283769-3	MW16-ROX-100725	112	89	89
400-283769-4	MW12-ROX-100725	113	89	92
400-283769-4 MS	MW12-ROX-100725	114	87	92
400-283769-4 MSD	MW12-ROX-100725	114	89	90
400-283769-5	MW26-ROX-100725	114	85	92
LCS 400-726973/1003	Lab Control Sample	110	90	93
MB 400-726973/5	Method Blank	110	90	92

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283769-3	MW16-ROX-100725	81	91	67	81	93	91	86	67
400-283769-4	MW12-ROX-100725	82	97	73	82	7 S1-	97	2 S1-	73
400-283769-4 - RERA	MW12-ROX-100725				86	68	89	55	55
400-283769-4 MS	MW12-ROX-100725	71	84	58	71	68	84	65	58
400-283769-4 MSD	MW12-ROX-100725	114	130	69	114	79	130	79	69
400-283769-5	MW26-ROX-100725	79	83	64	79	7 S1-	83	2 S1-	64
400-283769-5 - RERA	MW26-ROX-100725				88	76	88	62	61
LCS 400-726490/2-A	Lab Control Sample	73	86	91	73	97	86	103	91
LCS 400-726490/3-A	Lab Control Sample				77	93	86	92	102

Surrogate Summary

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
LCS 400-726759/2-A	Lab Control Sample				81	95	85	90	95
LCS 400-726759/3-A	Lab Control Sample				82	103	84	98	103
LCSD 400-726490/4-A	Lab Control Sample Dup				70	89	81	88	96
LCSD 400-726759/4-A	Lab Control Sample Dup				86	97	88	89	110
MB 400-726490/1-A	Method Blank	77	83	92	77	94	83	90	92
MB 400-726759/1-A	Method Blank				85	99	87	88	95

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-283769-3	MW16-ROX-100725	87
400-283769-4	MW12-ROX-100725	60
400-283769-4 - RERA	MW12-ROX-100725	79
400-283769-4 MS	MW12-ROX-100725	74
400-283769-4 MSD	MW12-ROX-100725	82
400-283769-5	MW26-ROX-100725	57
400-283769-5 - RERA	MW26-ROX-100725	89
LCS 400-726490/2-A	Lab Control Sample	89
LCS 400-726490/3-A	Lab Control Sample	88
LCS 400-726759/2-A	Lab Control Sample	107
LCS 400-726759/3-A	Lab Control Sample	95
LCSD 400-726490/4-A	Lab Control Sample Dup	80
LCSD 400-726759/4-A	Lab Control Sample Dup	98
MB 400-726490/1-A	Method Blank	88
MB 400-726759/1-A	Method Blank	98

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283769-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100725-8260
Lab Sample ID: 400-283769-1
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 11:21	W1T	EET CHI

Client Sample ID: TB-ROX-100725-8260SIM
Lab Sample ID: 400-283769-2
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 08:26	WPD	EET PEN

Client Sample ID: MW16-ROX-100725
Lab Sample ID: 400-283769-3
Date Collected: 10/07/25 09:40
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 15:51	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 15:04	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 18:09	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 18:09	JAW	EET PEN

Client Sample ID: MW12-ROX-100725
Lab Sample ID: 400-283769-4
Date Collected: 10/07/25 11:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 16:15	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 10:23	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 17:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 17:39	JAW	EET PEN
Total/NA	Prep	3511	RERA		29.8 mL	2 mL	726759	10/15/25 11:06	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			727077	10/17/25 00:41	S1B	EET PEN

Client Sample ID: MW26-ROX-100725
Lab Sample ID: 400-283769-5
Date Collected: 10/07/25 13:20
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 16:40	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 15:28	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 18:39	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW26-ROX-100725
Lab Sample ID: 400-283769-5
Date Collected: 10/07/25 13:20
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			29.7 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 18:39	JAW	EET PEN
Total/NA	Prep	3511	RERA		29.4 mL	2 mL	726759	10/15/25 11:06	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			727077	10/17/25 01:11	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726490/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 14:37	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 14:37	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726759/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 19:06	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726973/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 07:37	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838414/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 10:57	W1T	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726490/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 15:08	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 15:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726490/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 15:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726759/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 19:36	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726759/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 20:07	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726973/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 06:37	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838414/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 09:19	W1T	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726490/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 16:08	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726759/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 20:37	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838414/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 09:43	W1T	EET CHI

Client Sample ID: MW12-ROX-100725
Lab Sample ID: 400-283769-4 MS
Date Collected: 10/07/25 11:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 18:42	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 11:34	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 16:38	JAW	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 16:38	JAW	EET PEN

Client Sample ID: MW12-ROX-100725
Lab Sample ID: 400-283769-4 MSD
Date Collected: 10/07/25 11:00
Matrix: Water
Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838414	10/16/25 19:06	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 11:57	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 17:08	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 17:08	JAW	EET PEN

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 726973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-2	TB-ROX-100725-8260SIM	Total/NA	Water	8260D SIM	
400-283769-3	MW16-ROX-100725	Total/NA	Water	8260D SIM	
400-283769-4	MW12-ROX-100725	Total/NA	Water	8260D SIM	
400-283769-5	MW26-ROX-100725	Total/NA	Water	8260D SIM	
MB 400-726973/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-726973/1003	Lab Control Sample	Total/NA	Water	8260D SIM	
400-283769-4 MS	MW12-ROX-100725	Total/NA	Water	8260D SIM	
400-283769-4 MSD	MW12-ROX-100725	Total/NA	Water	8260D SIM	

Analysis Batch: 838414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-1	TB-ROX-100725-8260	Total/NA	Water	8260D	
400-283769-3	MW16-ROX-100725	Total/NA	Water	8260D	
400-283769-4	MW12-ROX-100725	Total/NA	Water	8260D	
400-283769-5	MW26-ROX-100725	Total/NA	Water	8260D	
MB 500-838414/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838414/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838414/5	Lab Control Sample Dup	Total/NA	Water	8260D	
400-283769-4 MS	MW12-ROX-100725	Total/NA	Water	8260D	
400-283769-4 MSD	MW12-ROX-100725	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-3	MW16-ROX-100725	Total/NA	Water	3511	
400-283769-4	MW12-ROX-100725	Total/NA	Water	3511	
400-283769-5	MW26-ROX-100725	Total/NA	Water	3511	
MB 400-726490/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726490/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726490/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-283769-4 MS	MW12-ROX-100725	Total/NA	Water	3511	
400-283769-4 MSD	MW12-ROX-100725	Total/NA	Water	3511	

Analysis Batch: 726532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-3	MW16-ROX-100725	Total/NA	Water	8270E	726490
400-283769-4	MW12-ROX-100725	Total/NA	Water	8270E	726490
400-283769-5	MW26-ROX-100725	Total/NA	Water	8270E	726490
MB 400-726490/1-A	Method Blank	Total/NA	Water	8270E	726490
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	8270E	726490
400-283769-4 MS	MW12-ROX-100725	Total/NA	Water	8270E	726490
400-283769-4 MSD	MW12-ROX-100725	Total/NA	Water	8270E	726490

Analysis Batch: 726533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-3	MW16-ROX-100725	Total/NA	Water	8270E	726490
400-283769-4	MW12-ROX-100725	Total/NA	Water	8270E	726490
400-283769-5	MW26-ROX-100725	Total/NA	Water	8270E	726490
MB 400-726490/1-A	Method Blank	Total/NA	Water	8270E	726490

GC/MS Semi VOA (Continued)

Analysis Batch: 726533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	8270E	726490
LCS 400-726490/3-A	Lab Control Sample	Total/NA	Water	8270E	726490
LCSD 400-726490/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726490
400-283769-4 MS	MW12-ROX-100725	Total/NA	Water	8270E	726490
400-283769-4 MSD	MW12-ROX-100725	Total/NA	Water	8270E	726490

Prep Batch: 726759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-4 - RERA	MW12-ROX-100725	Total/NA	Water	3511	
400-283769-5 - RERA	MW26-ROX-100725	Total/NA	Water	3511	
MB 400-726759/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726759/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726759/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283769-4 - RERA	MW12-ROX-100725	Total/NA	Water	8270E	726759
400-283769-5 - RERA	MW26-ROX-100725	Total/NA	Water	8270E	726759
MB 400-726759/1-A	Method Blank	Total/NA	Water	8270E	726759
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	8270E	726759
LCS 400-726759/3-A	Lab Control Sample	Total/NA	Water	8270E	726759
LCSD 400-726759/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726759

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838414/8
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/16/25 10:57	1
Acrolein	ND		100	35	ug/L			10/16/25 10:57	1
Acrylonitrile	ND		20	6.0	ug/L			10/16/25 10:57	1
Benzene	ND		0.50	0.18	ug/L			10/16/25 10:57	1
Bromobenzene	ND		1.0	0.60	ug/L			10/16/25 10:57	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/16/25 10:57	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/16/25 10:57	1
Bromoform	ND		1.0	0.96	ug/L			10/16/25 10:57	1
Bromomethane	ND		3.0	1.8	ug/L			10/16/25 10:57	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/16/25 10:57	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/16/25 10:57	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/16/25 10:57	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/16/25 10:57	1
Chloroethane	ND		5.0	0.47	ug/L			10/16/25 10:57	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/16/25 10:57	1
Chloroform	ND		2.0	0.92	ug/L			10/16/25 10:57	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/16/25 10:57	1
Chloromethane	ND		5.0	0.79	ug/L			10/16/25 10:57	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/16/25 10:57	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/16/25 10:57	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/16/25 10:57	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/16/25 10:57	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/16/25 10:57	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/16/25 10:57	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/16/25 10:57	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/16/25 10:57	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/16/25 10:57	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/16/25 10:57	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/16/25 10:57	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/16/25 10:57	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/16/25 10:57	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/16/25 10:57	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/16/25 10:57	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/16/25 10:57	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/16/25 10:57	1
2-Hexanone	ND		5.0	2.2	ug/L			10/16/25 10:57	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/16/25 10:57	1
Methylene bromide	ND		1.0	0.58	ug/L			10/16/25 10:57	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/16/25 10:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/16/25 10:57	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/16/25 10:57	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/16/25 10:57	1
Naphthalene	ND		1.0	0.44	ug/L			10/16/25 10:57	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/16/25 10:57	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/16/25 10:57	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/16/25 10:57	1
o-Xylene	ND		0.50	0.21	ug/L			10/16/25 10:57	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/16/25 10:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838414/8
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/16/25 10:57	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/16/25 10:57	1
Styrene	ND		1.0	0.31	ug/L			10/16/25 10:57	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/16/25 10:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/16/25 10:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/16/25 10:57	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/16/25 10:57	1
Toluene	ND		0.50	0.21	ug/L			10/16/25 10:57	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/16/25 10:57	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/16/25 10:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/16/25 10:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/16/25 10:57	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/16/25 10:57	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/16/25 10:57	1
Trichloroethene	ND		0.50	0.15	ug/L			10/16/25 10:57	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/16/25 10:57	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/16/25 10:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/16/25 10:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/16/25 10:57	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/16/25 10:57	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/16/25 10:57	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/16/25 10:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/16/25 10:57*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/16/25 10:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/16/25 10:57*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/16/25 10:57*	*1*

Lab Sample ID: LCS 500-838414/4
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	36.5		ug/L		73	40 - 143
Acrolein	2000	1850		ug/L		93	40 - 150
Acrylonitrile	500	528		ug/L		106	67 - 140
Benzene	50.0	49.6		ug/L		99	70 - 120
Bromobenzene	50.0	51.7		ug/L		103	70 - 122
Bromochloromethane	50.0	56.3		ug/L		113	65 - 122
Bromodichloromethane	50.0	50.0		ug/L		100	69 - 120
Bromoform	50.0	50.3		ug/L		101	56 - 132
Bromomethane	50.0	56.0		ug/L		112	40 - 152
2-Butanone (MEK)	50.0	34.5		ug/L		69	46 - 144
Carbon disulfide	50.0	39.6		ug/L		79	66 - 120
Carbon tetrachloride	50.0	46.5		ug/L		93	59 - 133
Chlorobenzene	50.0	53.9		ug/L		108	70 - 120
Chloroethane	50.0	45.2		ug/L		90	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838414/4
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	55.4		ug/L		111	52 - 136
Chloroform	50.0	51.3		ug/L		103	70 - 120
Chloromethane	50.0	38.9		ug/L		78	56 - 152
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	70 - 125
cis-1,3-Dichloropropene	50.0	52.5		ug/L		105	64 - 127
Dibromochloromethane	50.0	54.4		ug/L		109	68 - 125
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 125
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 120
Dichlorodifluoromethane	50.0	20.7		ug/L		41	40 - 159
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	52.4		ug/L		105	68 - 127
1,1-Dichloroethene	50.0	44.9		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	51.0		ug/L		102	67 - 130
1,3-Dichloropropane	50.0	54.5		ug/L		109	62 - 136
2,2-Dichloropropane	50.0	46.4		ug/L		93	58 - 139
1,1-Dichloropropene	50.0	47.4		ug/L		95	70 - 121
Ethylbenzene	50.0	50.7		ug/L		101	70 - 123
Ethyl methacrylate	50.0	52.3		ug/L		105	63 - 129
Hexachlorobutadiene	50.0	52.8		ug/L		106	51 - 150
2-Hexanone	50.0	36.3		ug/L		73	54 - 146
Isopropylbenzene	50.0	46.1		ug/L		92	70 - 126
Methylene bromide	50.0	53.2		ug/L		106	70 - 120
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	37.0		ug/L		74	55 - 139
Methyl tert-butyl ether	50.0	49.0		ug/L		98	55 - 123
m-Xylene & p-Xylene	50.0	47.3		ug/L		95	70 - 125
Naphthalene	50.0	56.4		ug/L		113	53 - 144
n-Butylbenzene	50.0	44.7		ug/L		89	68 - 125
N-Propylbenzene	50.0	46.3		ug/L		93	69 - 127
o-Chlorotoluene	50.0	47.2		ug/L		94	70 - 125
o-Xylene	50.0	47.7		ug/L		95	70 - 120
p-Chlorotoluene	50.0	48.1		ug/L		96	68 - 124
p-Isopropyltoluene	50.0	47.3		ug/L		95	70 - 125
sec-Butylbenzene	50.0	44.8		ug/L		90	70 - 123
Styrene	50.0	52.7		ug/L		105	70 - 120
tert-Butylbenzene	50.0	45.3		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.8		ug/L		110	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/L		106	62 - 140
Tetrachloroethene	50.0	49.2		ug/L		98	70 - 128
Toluene	50.0	50.7		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	51.8		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	50.0	59.8		ug/L		120	51 - 145
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	56.8		ug/L		114	71 - 130
Trichloroethene	50.0	51.1		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	45.5		ug/L		91	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838414/4
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	54.8		ug/L		110	50 - 133		
1,2,4-Trimethylbenzene			50.0	47.5		ug/L		95	70 - 123		
1,3,5-Trimethylbenzene			50.0	47.0		ug/L		94	70 - 123		
Vinyl acetate			50.0	65.9		ug/L		132	43 - 133		
Vinyl chloride			50.0	42.8		ug/L		86	64 - 126		
Xylenes, Total			100	95.1		ug/L		95	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: LCSD 500-838414/5
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			50.0	36.4		ug/L		73	40 - 143	0	20
Acrolein			2000	1740		ug/L		87	40 - 150	7	20
Acrylonitrile			500	519		ug/L		104	67 - 140	2	20
Benzene			50.0	49.2		ug/L		98	70 - 120	1	20
Bromobenzene			50.0	52.2		ug/L		104	70 - 122	1	20
Bromochloromethane			50.0	54.2		ug/L		108	65 - 122	4	20
Bromodichloromethane			50.0	49.4		ug/L		99	69 - 120	1	20
Bromoform			50.0	49.3		ug/L		99	56 - 132	2	20
Bromomethane			50.0	56.1		ug/L		112	40 - 152	0	20
2-Butanone (MEK)			50.0	34.5		ug/L		69	46 - 144	0	20
Carbon disulfide			50.0	39.1		ug/L		78	66 - 120	1	20
Carbon tetrachloride			50.0	46.0		ug/L		92	59 - 133	1	20
Chlorobenzene			50.0	54.6		ug/L		109	70 - 120	1	20
Chloroethane			50.0	43.6		ug/L		87	48 - 136	4	20
2-Chloroethyl vinyl ether			50.0	55.2		ug/L		110	52 - 136	0	20
Chloroform			50.0	50.9		ug/L		102	70 - 120	1	20
Chloromethane			50.0	38.5		ug/L		77	56 - 152	1	20
cis-1,2-Dichloroethene			50.0	50.7		ug/L		101	70 - 125	1	20
cis-1,3-Dichloropropene			50.0	53.0		ug/L		106	64 - 127	1	20
Dibromochloromethane			50.0	55.4		ug/L		111	68 - 125	2	20
1,2-Dichlorobenzene			50.0	53.5		ug/L		107	70 - 125	1	20
1,3-Dichlorobenzene			50.0	52.2		ug/L		104	70 - 125	0	20
1,4-Dichlorobenzene			50.0	51.8		ug/L		104	70 - 120	0	20
Dichlorodifluoromethane			50.0	19.2	*-	ug/L		38	40 - 159	8	20
1,1-Dichloroethane			50.0	49.4		ug/L		99	70 - 125	2	20
1,2-Dichloroethane			50.0	51.8		ug/L		104	68 - 127	1	20
1,1-Dichloroethene			50.0	45.3		ug/L		91	67 - 122	1	20
1,2-Dichloropropane			50.0	52.2		ug/L		104	67 - 130	2	20
1,3-Dichloropropane			50.0	54.4		ug/L		109	62 - 136	0	20
2,2-Dichloropropane			50.0	45.0		ug/L		90	58 - 139	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838414/5
Matrix: Water
Analysis Batch: 838414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	46.6		ug/L		93	70 - 121	2	20
Ethylbenzene			50.0	50.7		ug/L		101	70 - 123	0	20
Ethyl methacrylate			50.0	51.8		ug/L		104	63 - 129	1	20
Hexachlorobutadiene			50.0	53.7		ug/L		107	51 - 150	2	20
2-Hexanone			50.0	36.6		ug/L		73	54 - 146	1	20
Isopropylbenzene			50.0	46.5		ug/L		93	70 - 126	1	20
Methylene bromide			50.0	52.3		ug/L		105	70 - 120	2	20
Methylene Chloride			50.0	45.3		ug/L		91	69 - 125	2	20
4-Methyl-2-pentanone (MIBK)			50.0	36.6		ug/L		73	55 - 139	1	20
Methyl tert-butyl ether			50.0	48.1		ug/L		96	55 - 123	2	20
m-Xylene & p-Xylene			50.0	47.1		ug/L		94	70 - 125	0	20
Naphthalene			50.0	57.5		ug/L		115	53 - 144	2	20
n-Butylbenzene			50.0	44.8		ug/L		90	68 - 125	0	20
N-Propylbenzene			50.0	46.5		ug/L		93	69 - 127	0	20
o-Chlorotoluene			50.0	47.6		ug/L		95	70 - 125	1	20
o-Xylene			50.0	47.5		ug/L		95	70 - 120	0	20
p-Chlorotoluene			50.0	48.4		ug/L		97	68 - 124	1	20
p-Isopropyltoluene			50.0	46.6		ug/L		93	70 - 125	2	20
sec-Butylbenzene			50.0	45.1		ug/L		90	70 - 123	1	20
Styrene			50.0	52.4		ug/L		105	70 - 120	1	20
tert-Butylbenzene			50.0	45.9		ug/L		92	70 - 121	1	20
1,1,1,2-Tetrachloroethane			50.0	54.8		ug/L		110	70 - 125	0	20
1,1,2,2-Tetrachloroethane			50.0	54.2		ug/L		108	62 - 140	3	20
Tetrachloroethene			50.0	48.8		ug/L		98	70 - 128	1	20
Toluene			50.0	50.1		ug/L		100	70 - 125	1	20
trans-1,2-Dichloroethene			50.0	49.3		ug/L		99	70 - 125	1	20
trans-1,3-Dichloropropene			50.0	52.3		ug/L		105	62 - 128	1	20
1,2,3-Trichlorobenzene			50.0	60.1		ug/L		120	51 - 145	1	20
1,2,4-Trichlorobenzene			50.0	52.8		ug/L		106	57 - 137	1	20
1,1,1-Trichloroethane			50.0	47.3		ug/L		95	70 - 125	1	20
1,1,2-Trichloroethane			50.0	57.2		ug/L		114	71 - 130	1	20
Trichloroethene			50.0	50.7		ug/L		101	70 - 125	1	20
Trichlorofluoromethane			50.0	42.6		ug/L		85	55 - 128	6	20
1,2,3-Trichloropropane			50.0	54.2		ug/L		108	50 - 133	1	20
1,2,4-Trimethylbenzene			50.0	47.8		ug/L		96	70 - 123	1	20
1,3,5-Trimethylbenzene			50.0	47.2		ug/L		94	70 - 123	0	20
Vinyl acetate			50.0	61.7		ug/L		123	43 - 133	7	20
Vinyl chloride			50.0	40.2		ug/L		80	64 - 126	6	20
Xylenes, Total			100	94.6		ug/L		95	70 - 125	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 838414

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		50.0	37.6		ug/L		75	40 - 143
Acrolein	ND		2000	1960		ug/L		98	40 - 150
Acrylonitrile	ND		500	525		ug/L		105	67 - 140
Benzene	ND		50.0	50.8		ug/L		102	70 - 120
Bromobenzene	ND		50.0	51.7		ug/L		103	70 - 122
Bromochloromethane	ND		50.0	53.9		ug/L		108	65 - 122
Bromodichloromethane	ND		50.0	49.2		ug/L		98	69 - 120
Bromoform	ND		50.0	48.1		ug/L		96	56 - 132
Bromomethane	ND		50.0	43.4		ug/L		87	40 - 152
2-Butanone (MEK)	ND		50.0	34.9		ug/L		70	46 - 144
Carbon disulfide	ND		50.0	40.1		ug/L		80	66 - 120
Carbon tetrachloride	ND		50.0	50.6		ug/L		101	59 - 133
Chlorobenzene	ND		50.0	54.9		ug/L		110	70 - 120
Chloroethane	ND		50.0	46.7		ug/L		93	48 - 136
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136
Chloroform	ND		50.0	51.6		ug/L		103	70 - 120
Chloromethane	ND		50.0	38.5		ug/L		77	56 - 152
cis-1,2-Dichloroethene	ND		50.0	50.7		ug/L		101	70 - 125
cis-1,3-Dichloropropene	ND		50.0	49.2		ug/L		98	64 - 127
Dibromochloromethane	ND		50.0	53.2		ug/L		106	68 - 125
1,2-Dichlorobenzene	ND		50.0	53.0		ug/L		106	70 - 125
1,3-Dichlorobenzene	ND		50.0	51.6		ug/L		103	70 - 125
1,4-Dichlorobenzene	ND		50.0	52.6		ug/L		105	70 - 120
Dichlorodifluoromethane	ND	*- F1	50.0	18.4	F1	ug/L		37	40 - 159
1,1-Dichloroethane	ND		50.0	51.3		ug/L		103	70 - 125
1,2-Dichloroethane	ND		50.0	51.0		ug/L		102	68 - 127
1,1-Dichloroethene	ND		50.0	47.7		ug/L		95	67 - 122
1,2-Dichloropropane	ND		50.0	51.2		ug/L		102	67 - 130
1,3-Dichloropropane	ND		50.0	52.9		ug/L		106	62 - 136
2,2-Dichloropropane	ND		50.0	39.6		ug/L		79	58 - 139
1,1-Dichloropropene	ND		50.0	50.7		ug/L		101	70 - 121
Ethylbenzene	ND		50.0	52.2		ug/L		104	70 - 123
Ethyl methacrylate	ND		50.0	50.2		ug/L		100	63 - 129
Hexachlorobutadiene	ND		50.0	51.4		ug/L		103	51 - 150
2-Hexanone	ND		50.0	36.4		ug/L		73	54 - 146
Isopropylbenzene	ND		50.0	48.9		ug/L		98	70 - 126
Methylene bromide	ND		50.0	53.2		ug/L		106	70 - 120
Methylene Chloride	ND		50.0	44.9		ug/L		90	69 - 125
4-Methyl-2-pentanone (MIBK)	ND		50.0	36.7		ug/L		73	55 - 139
Methyl tert-butyl ether	ND		50.0	45.9		ug/L		92	55 - 123
m-Xylene & p-Xylene	ND		50.0	48.4		ug/L		97	70 - 125
Naphthalene	ND		50.0	50.2		ug/L		100	53 - 144
n-Butylbenzene	ND		50.0	46.5		ug/L		93	68 - 125
N-Propylbenzene	ND		50.0	48.5		ug/L		97	69 - 127
o-Chlorotoluene	ND		50.0	47.6		ug/L		95	70 - 125
o-Xylene	ND		50.0	48.2		ug/L		96	70 - 120
p-Chlorotoluene	ND		50.0	48.6		ug/L		97	68 - 124
p-Isopropyltoluene	ND		50.0	49.5		ug/L		99	70 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 838414

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	ND		50.0	47.5		ug/L		95	70 - 123
Styrene	ND		50.0	51.7		ug/L		103	70 - 120
tert-Butylbenzene	ND		50.0	47.9		ug/L		96	70 - 121
1,1,1,2-Tetrachloroethane	ND		50.0	53.5		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	62 - 140
Tetrachloroethene	ND		50.0	50.9		ug/L		102	70 - 128
Toluene	ND		50.0	51.8		ug/L		104	70 - 125
trans-1,2-Dichloroethene	ND		50.0	51.5		ug/L		103	70 - 125
trans-1,3-Dichloropropene	ND		50.0	49.5		ug/L		99	62 - 128
1,2,3-Trichlorobenzene	ND		50.0	52.1		ug/L		104	51 - 145
1,2,4-Trichlorobenzene	ND		50.0	49.1		ug/L		98	57 - 137
1,1,1-Trichloroethane	ND		50.0	51.2		ug/L		102	70 - 125
1,1,2-Trichloroethane	ND		50.0	55.9		ug/L		112	71 - 130
Trichloroethene	ND		50.0	52.9		ug/L		106	70 - 125
Trichlorofluoromethane	ND		50.0	44.2		ug/L		88	55 - 128
1,2,3-Trichloropropane	ND		50.0	52.8		ug/L		106	50 - 133
1,2,4-Trimethylbenzene	ND		50.0	48.9		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	ND		50.0	47.9		ug/L		96	70 - 123
Vinyl acetate	ND		50.0	58.8		ug/L		118	43 - 133
Vinyl chloride	ND		50.0	43.1		ug/L		86	64 - 126
Xylenes, Total	ND		100	96.7		ug/L		97	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 838414

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		50.0	33.1		ug/L		66	40 - 143	13	20
Acrolein	ND		2000	1790		ug/L		90	40 - 150	9	20
Acrylonitrile	ND		500	475		ug/L		95	67 - 140	10	20
Benzene	ND		50.0	45.6		ug/L		91	70 - 120	11	20
Bromobenzene	ND		50.0	45.2		ug/L		90	70 - 122	13	20
Bromochloromethane	ND		50.0	47.6		ug/L		95	65 - 122	12	20
Bromodichloromethane	ND		50.0	44.7		ug/L		89	69 - 120	10	20
Bromoform	ND		50.0	43.2		ug/L		86	56 - 132	11	20
Bromomethane	ND		50.0	41.0		ug/L		82	40 - 152	6	20
2-Butanone (MEK)	ND		50.0	31.4		ug/L		63	46 - 144	11	20
Carbon disulfide	ND		50.0	35.8		ug/L		72	66 - 120	11	20
Carbon tetrachloride	ND		50.0	45.1		ug/L		90	59 - 133	11	20
Chlorobenzene	ND		50.0	48.4		ug/L		97	70 - 120	13	20
Chloroethane	ND		50.0	40.6		ug/L		81	48 - 136	14	20
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136	NC	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 838414

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	46.2		ug/L		92	70 - 120	11	20
Chloromethane	ND		50.0	34.1		ug/L		68	56 - 152	12	20
cis-1,2-Dichloroethene	ND		50.0	45.1		ug/L		90	70 - 125	12	20
cis-1,3-Dichloropropene	ND		50.0	44.6		ug/L		89	64 - 127	10	20
Dibromochloromethane	ND		50.0	48.1		ug/L		96	68 - 125	10	20
1,2-Dichlorobenzene	ND		50.0	47.3		ug/L		95	70 - 125	11	20
1,3-Dichlorobenzene	ND		50.0	45.8		ug/L		92	70 - 125	12	20
1,4-Dichlorobenzene	ND		50.0	46.3		ug/L		93	70 - 120	13	20
Dichlorodifluoromethane	ND	*- F1	50.0	16.7	F1	ug/L		33	40 - 159	10	20
1,1-Dichloroethane	ND		50.0	46.1		ug/L		92	70 - 125	11	20
1,2-Dichloroethane	ND		50.0	46.3		ug/L		93	68 - 127	10	20
1,1-Dichloroethene	ND		50.0	41.2		ug/L		82	67 - 122	15	20
1,2-Dichloropropane	ND		50.0	47.2		ug/L		94	67 - 130	8	20
1,3-Dichloropropane	ND		50.0	47.9		ug/L		96	62 - 136	10	20
2,2-Dichloropropane	ND		50.0	35.5		ug/L		71	58 - 139	11	20
1,1-Dichloropropene	ND		50.0	45.1		ug/L		90	70 - 121	12	20
Ethylbenzene	ND		50.0	45.9		ug/L		92	70 - 123	13	20
Ethyl methacrylate	ND		50.0	45.4		ug/L		91	63 - 129	10	20
Hexachlorobutadiene	ND		50.0	46.1		ug/L		92	51 - 150	11	20
2-Hexanone	ND		50.0	33.7		ug/L		67	54 - 146	8	20
Isopropylbenzene	ND		50.0	43.5		ug/L		87	70 - 126	12	20
Methylene bromide	ND		50.0	46.9		ug/L		94	70 - 120	13	20
Methylene Chloride	ND		50.0	39.7		ug/L		79	69 - 125	12	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	33.4		ug/L		67	55 - 139	9	20
Methyl tert-butyl ether	ND		50.0	42.3		ug/L		85	55 - 123	8	20
m-Xylene & p-Xylene	ND		50.0	43.0		ug/L		86	70 - 125	12	20
Naphthalene	ND		50.0	46.1		ug/L		92	53 - 144	9	20
n-Butylbenzene	ND		50.0	40.9		ug/L		82	68 - 125	13	20
N-Propylbenzene	ND		50.0	42.6		ug/L		85	69 - 127	13	20
o-Chlorotoluene	ND		50.0	42.0		ug/L		84	70 - 125	12	20
o-Xylene	ND		50.0	42.4		ug/L		85	70 - 120	13	20
p-Chlorotoluene	ND		50.0	43.7		ug/L		87	68 - 124	11	20
p-Isopropyltoluene	ND		50.0	43.2		ug/L		86	70 - 125	14	20
sec-Butylbenzene	ND		50.0	41.9		ug/L		84	70 - 123	12	20
Styrene	ND		50.0	45.6		ug/L		91	70 - 120	13	20
tert-Butylbenzene	ND		50.0	42.1		ug/L		84	70 - 121	13	20
1,1,1,2-Tetrachloroethane	ND		50.0	48.1		ug/L		96	70 - 125	11	20
1,1,2,2-Tetrachloroethane	ND		50.0	48.6		ug/L		97	62 - 140	10	20
Tetrachloroethene	ND		50.0	45.7		ug/L		91	70 - 128	11	20
Toluene	ND		50.0	46.2		ug/L		92	70 - 125	12	20
trans-1,2-Dichloroethene	ND		50.0	45.6		ug/L		91	70 - 125	12	20
trans-1,3-Dichloropropene	ND		50.0	44.2		ug/L		88	62 - 128	11	20
1,2,3-Trichlorobenzene	ND		50.0	48.7		ug/L		97	51 - 145	7	20
1,2,4-Trichlorobenzene	ND		50.0	43.7		ug/L		87	57 - 137	12	20
1,1,1-Trichloroethane	ND		50.0	46.0		ug/L		92	70 - 125	11	20
1,1,2-Trichloroethane	ND		50.0	50.0		ug/L		100	71 - 130	11	20
Trichloroethene	ND		50.0	47.4		ug/L		95	70 - 125	11	20
Trichlorofluoromethane	ND		50.0	39.3		ug/L		79	55 - 128	12	20
1,2,3-Trichloropropane	ND		50.0	48.8		ug/L		98	50 - 133	8	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 838414

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		50.0	42.3		ug/L		85	70 - 123	14	20
1,3,5-Trimethylbenzene	ND		50.0	41.9		ug/L		84	70 - 123	13	20
Vinyl acetate	ND		50.0	54.6		ug/L		109	43 - 133	8	20
Vinyl chloride	ND		50.0	37.9		ug/L		76	64 - 126	13	20
Xylenes, Total	ND		100	85.4		ug/L		85	70 - 125	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-726973/5
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 07:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 07:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/16/25 07:37*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/16/25 07:37*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 07:37*	*1*

Lab Sample ID: LCS 400-726973/1003
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.411		ug/L		82	50 - 150		
1,2-Dibromoethane			0.500	0.508		ug/L		102	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*110*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 726973

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.488	0.455		ug/L		93	50 - 150		
1,2-Dibromoethane	ND		0.488	0.513		ug/L		105	50 - 150		

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 726973

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	*114*		*50 - 150*
Toluene-d8 (Surr)	*87*		*50 - 150*
4-Bromofluorobenzene	*92*		*50 - 150*

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 726973

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.488	0.432		ug/L		89	50 - 150	5	50
1,2-Dibromoethane	ND		0.488	0.511		ug/L		105	50 - 150	0	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	*114*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*90*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/11/25 14:31	10/13/25 14:37	1
Aniline	ND		10	0.74	ug/L		10/11/25 14:31	10/13/25 14:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzenethiol	ND		10	0.60	ug/L		10/11/25 14:31	10/13/25 14:37	1
Anthracene	ND		0.20	0.073	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzoic acid	ND		100	80	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzyl alcohol	ND		35	30	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/11/25 14:31	10/13/25 14:37	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:31	10/13/25 14:37	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:31	10/13/25 14:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Chloroaniline	ND		10	0.58	ug/L		10/11/25 14:31	10/13/25 14:37	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/11/25 14:31	10/13/25 14:37	1
Fluorene	ND		0.20	0.087	ug/L		10/11/25 14:31	10/13/25 14:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		10	0.38	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Chlorophenol	ND		10	0.84	ug/L		10/11/25 14:31	10/13/25 14:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:31	10/13/25 14:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenzofuran	ND		10	0.64	ug/L		10/11/25 14:31	10/13/25 14:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/11/25 14:31	10/13/25 14:37	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pyrene	ND		0.20	0.095	ug/L		10/11/25 14:31	10/13/25 14:37	1
Diethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/11/25 14:31	10/13/25 14:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:31	10/13/25 14:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
1,4-Dioxane	ND		10	4.3	ug/L		10/11/25 14:31	10/13/25 14:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachloroethane	ND		10	0.53	ug/L		10/11/25 14:31	10/13/25 14:37	1
Indene	ND		10	0.44	ug/L		10/11/25 14:31	10/13/25 14:37	1
Isophorone	ND		10	0.80	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Methylphenol	ND		10	0.76	ug/L		10/11/25 14:31	10/13/25 14:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:31	10/13/25 14:37	1
3-Nitroaniline	ND		10	0.95	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:31	10/13/25 14:37	1
Nitrobenzene	ND		10	0.60	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Nitrophenol	ND		10	2.7	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pentachlorophenol	ND		10	2.8	ug/L		10/11/25 14:31	10/13/25 14:37	1
Phenol	ND		10	0.68	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Quinoline	ND		10	0.50	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/11/25 14:31	10/13/25 14:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		15 - 150	10/11/25 14:31	10/13/25 14:37	1
Nitrobenzene-d5	83		50 - 150	10/11/25 14:31	10/13/25 14:37	1
Terphenyl-d14	92		43 - 147	10/11/25 14:31	10/13/25 14:37	1
2-Fluorobiphenyl	77		25 - 139	10/11/25 14:31	10/13/25 14:37	1
2-Fluorophenol	94		10 - 150	10/11/25 14:31	10/13/25 14:37	1
Nitrobenzene-d5	83		22 - 150	10/11/25 14:31	10/13/25 14:37	1
Phenol-d5	90		10 - 150	10/11/25 14:31	10/13/25 14:37	1
Terphenyl-d14	92		28 - 150	10/11/25 14:31	10/13/25 14:37	1
2,4,6-Tribromophenol	88		10 - 150	10/11/25 14:31	10/13/25 14:37	1

Lab Sample ID: LCS 400-726490/2-A
Matrix: Water
Analysis Batch: 726532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.8		ug/L		74	29 - 150
Aniline	33.3	28.4		ug/L		85	10 - 134
Acenaphthylene	33.3	24.1		ug/L		72	30 - 150
Anthracene	33.3	28.2		ug/L		85	31 - 150
Benzoic acid	152	230		ug/L		151	10 - 180
Benzo[a]anthracene	33.3	28.9		ug/L		87	36 - 150
Benzyl alcohol	33.3	39.8		ug/L		119	10 - 150
Benzo[a]pyrene	33.3	29.6		ug/L		89	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.7		ug/L		83	34 - 120
Benzo[b]fluoranthene	33.3	31.1		ug/L		93	32 - 150
Bis(2-chloroethyl)ether	33.3	25.6		ug/L		77	32 - 114
Benzo[g,h,i]perylene	33.3	29.4		ug/L		88	28 - 150
bis (2-chloroisopropyl) ether	33.3	25.5		ug/L		76	32 - 115
Benzo[k]fluoranthene	33.3	29.1		ug/L		87	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	28.0		ug/L		84	24 - 133
4-Bromophenyl phenyl ether	33.3	27.2		ug/L		82	24 - 120
Chrysene	33.3	29.3		ug/L		88	34 - 150
Butyl benzyl phthalate	33.3	23.0		ug/L		69	24 - 140
Dibenz(a,h)anthracene	33.3	29.1		ug/L		87	29 - 150
4-Chloroaniline	33.3	26.8		ug/L		80	10 - 150
Fluoranthene	33.3	28.4		ug/L		85	30 - 150
4-Chloro-3-methylphenol	33.3	29.4		ug/L		88	10 - 137
Fluorene	33.3	25.7		ug/L		77	30 - 150
2-Chloronaphthalene	33.3	27.0		ug/L		81	10 - 150
2-Chlorophenol	33.3	28.2		ug/L		85	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	27.0		ug/L		81	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	25.7		ug/L		77	31 - 110
2-Methylnaphthalene	33.3	22.9		ug/L		69	24 - 150
Dibenz[a,h]acridine	33.3	30.5		ug/L		92	40 - 150
Dibenzofuran	33.3	25.5		ug/L		76	35 - 110
3,3'-Dichlorobenzidine	66.7	32.0		ug/L		48	10 - 150
Phenanthrene	33.3	27.3		ug/L		82	32 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726490/2-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	33.3	27.0		ug/L		81	30 - 125
Pyrene	33.3	29.4		ug/L		88	30 - 150
Diethyl phthalate	33.3	15.5		ug/L		46	31 - 118
2,4-Dimethylphenol	33.3	25.1		ug/L		75	10 - 142
Dimethyl phthalate	33.3	17.1		ug/L		51	24 - 125
Di-n-butyl phthalate	33.3	21.0		ug/L		63	30 - 127
4,6-Dinitro-ortho-cresol	66.7	61.5		ug/L		92	10 - 150
2,4-Dinitrophenol	66.7	61.7		ug/L		93	10 - 150
2,4-Dinitrotoluene	33.3	26.2		ug/L		79	30 - 129
2,6-Dinitrotoluene	33.3	29.7		ug/L		89	34 - 132
Di-n-octyl phthalate	33.3	28.7		ug/L		86	28 - 142
1,4-Dioxane	33.3	34.4		ug/L		103	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	27.3		ug/L		82	29 - 121
Hexachlorobenzene	33.3	26.5		ug/L		80	29 - 113
Hexachlorocyclopentadiene	33.3	18.0	J	ug/L		54	10 - 150
Hexachloroethane	33.3	19.6		ug/L		59	10 - 112
Indene	33.3	19.3		ug/L		58	10 - 113
Isophorone	33.3	30.2		ug/L		91	29 - 125
2-Methylphenol	33.3	29.2		ug/L		88	11 - 121
3 & 4 Methylphenol	33.3	33.8		ug/L		102	10 - 150
2-Nitroaniline	33.3	28.1		ug/L		84	31 - 141
3-Nitroaniline	33.3	23.4		ug/L		70	33 - 136
4-Nitroaniline	33.3	25.2		ug/L		76	37 - 139
Nitrobenzene	33.3	28.2		ug/L		84	29 - 129
2-Nitrophenol	33.3	27.4		ug/L		82	31 - 142
4-Nitrophenol	66.7	78.8		ug/L		118	10 - 150
N-Nitrosodimethylamine	33.3	36.9		ug/L		111	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.4		ug/L		79	53 - 134
N-Nitrosodiphenylamine	33.1	27.5		ug/L		83	62 - 132
Pentachlorophenol	66.7	63.8		ug/L		96	14 - 150
Phenol	33.3	38.4		ug/L		115	10 - 150
Pyridine	66.7	60.9		ug/L		91	10 - 150
Quinoline	33.3	27.7		ug/L		83	50 - 150
2,4,5-Trichlorophenol	33.3	28.0		ug/L		84	27 - 136
2,4,6-Trichlorophenol	33.3	27.7		ug/L		83	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*91*		*43 - 147*
2-Fluorobiphenyl	*73*		*25 - 139*
2-Fluorophenol	*97*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*103*		*10 - 150*
Terphenyl-d14	*91*		*28 - 150*
2,4,6-Tribromophenol	*89*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726490/3-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	18.8		ug/L		57	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*92*		*10 - 150*
Terphenyl-d14	*102*		*28 - 150*
2,4,6-Tribromophenol	*88*		*10 - 150*

Lab Sample ID: LCSD 400-726490/4-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726490

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	18.6		ug/L		56	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*81*		*22 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*96*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 726532

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		33.6	24.1		ug/L		72	50 - 150		
Aniline	ND		33.6	25.9		ug/L		77	50 - 150		
Acenaphthylene	ND		33.6	24.0		ug/L		71	50 - 150		
Anthracene	ND		33.6	25.5		ug/L		76	50 - 150		
Benzoic acid	ND	F1	153	267	E F1	ug/L		175	50 - 150		
Benzo[a]anthracene	ND		33.6	28.1		ug/L		84	50 - 150		
Benzyl alcohol	ND		33.6	34.6	J	ug/L		103	50 - 150		
Benzo[a]pyrene	ND		33.6	26.6		ug/L		79	50 - 150		
Bis(2-chloroethoxy)methane	ND		33.6	29.3		ug/L		87	50 - 150		
Benzo[b]fluoranthene	ND		33.6	27.8		ug/L		83	50 - 150		
Bis(2-chloroethyl)ether	ND		33.6	26.0		ug/L		78	50 - 150		
Benzo[g,h,i]perylene	ND		33.6	26.2		ug/L		78	50 - 150		
bis (2-chloroisopropyl) ether	ND		33.6	25.8		ug/L		77	50 - 150		
Benzo[k]fluoranthene	ND		33.6	26.9		ug/L		80	50 - 150		
Bis(2-ethylhexyl) phthalate	ND		33.6	27.0		ug/L		80	50 - 150		
4-Bromophenyl phenyl ether	ND		33.6	25.1		ug/L		75	50 - 150		
Chrysene	ND		33.6	26.5		ug/L		79	50 - 150		
Butyl benzyl phthalate	ND		33.6	23.9		ug/L		71	50 - 150		

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 726532

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	ND		33.6	26.5		ug/L		79	50 - 150
4-Chloroaniline	ND		33.6	28.5		ug/L		85	50 - 150
Fluoranthene	ND		33.6	25.8		ug/L		77	50 - 150
4-Chloro-3-methylphenol	ND		33.6	26.0		ug/L		78	50 - 150
Fluorene	ND		33.6	24.4		ug/L		73	50 - 150
2-Chloronaphthalene	ND		33.6	30.4		ug/L		90	50 - 150
2-Chlorophenol	ND		33.6	25.3		ug/L		76	50 - 150
Indeno[1,2,3-cd]pyrene	ND		33.6	24.5		ug/L		73	50 - 150
1-Methylnaphthalene	ND		33.6	23.1		ug/L		69	50 - 150
4-Chlorophenyl phenyl ether	ND		33.6	24.7		ug/L		74	50 - 150
2-Methylnaphthalene	ND		33.6	25.1		ug/L		75	50 - 150
Dibenz[a,h]acridine	ND		33.5	26.4		ug/L		79	50 - 150
Dibenzofuran	ND		33.6	25.0		ug/L		74	50 - 150
3,3'-Dichlorobenzidine	ND	F1	67.1	29.1	F1	ug/L		43	50 - 150
Phenanthrene	ND		33.6	25.4		ug/L		76	50 - 150
2,4-Dichlorophenol	ND		33.6	25.9		ug/L		77	50 - 150
Pyrene	ND		33.6	26.8		ug/L		80	50 - 150
Diethyl phthalate	ND	F1	33.6	15.3	F1	ug/L		46	50 - 150
2,4-Dimethylphenol	ND	F1	33.6	14.0	F1	ug/L		42	50 - 150
Dimethyl phthalate	ND	F1	33.6	16.3	F1	ug/L		49	50 - 150
Di-n-butyl phthalate	ND		33.6	20.4		ug/L		61	50 - 150
4,6-Dinitro-ortho-cresol	ND		67.1	60.2		ug/L		90	50 - 150
2,4-Dinitrophenol	ND		67.1	65.9		ug/L		98	50 - 150
2,4-Dinitrotoluene	ND		33.6	26.1		ug/L		78	50 - 150
2,6-Dinitrotoluene	ND		33.6	29.1		ug/L		87	50 - 150
Di-n-octyl phthalate	ND		33.6	27.2		ug/L		81	50 - 150
1,4-Dioxane	ND		33.6	32.9		ug/L		98	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.6	26.1		ug/L		78	50 - 150
Hexachlorobenzene	ND		33.6	24.7		ug/L		74	50 - 150
Hexachlorocyclopentadiene	ND		33.6	23.7		ug/L		71	50 - 150
Hexachloroethane	ND		33.6	21.0		ug/L		63	50 - 150
Indene	ND		33.6	19.2		ug/L		57	50 - 150
Isophorone	ND		33.6	28.8		ug/L		86	50 - 150
2-Methylphenol	ND		33.6	18.4		ug/L		55	50 - 150
3 & 4 Methylphenol	ND		33.6	20.5		ug/L		61	50 - 150
2-Nitroaniline	ND		33.6	20.3		ug/L		61	50 - 150
3-Nitroaniline	ND		33.6	24.0		ug/L		71	50 - 150
4-Nitroaniline	ND		33.6	17.6		ug/L		53	50 - 150
Nitrobenzene	ND		33.6	27.6		ug/L		82	50 - 150
2-Nitrophenol	ND		33.6	28.1		ug/L		84	50 - 150
4-Nitrophenol	ND		67.1	76.2		ug/L		113	50 - 150
N-Nitrosodimethylamine	ND		33.6	36.7		ug/L		109	50 - 150
N-Nitrosodi-n-propylamine	ND		33.6	26.8		ug/L		80	50 - 150
N-Nitrosodiphenylamine	ND		33.3	26.0		ug/L		78	50 - 150
Pentachlorophenol	ND		67.1	60.5		ug/L		90	50 - 150
Phenol	ND		33.6	24.9		ug/L		74	50 - 150
Pyridine	ND		67.1	61.3		ug/L		91	50 - 150
Quinoline	ND		33.5	28.6		ug/L		85	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283769-4 MS
Matrix: Water
Analysis Batch: 726533

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		33.6	26.4		ug/L		79	50 - 150
2,4,6-Trichlorophenol	ND		33.6	25.6		ug/L		76	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*58*		*43 - 147*
2-Fluorobiphenyl	*71*		*25 - 139*
2-Fluorophenol	*68*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*65*		*10 - 150*
Terphenyl-d14	*58*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 726532

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		33.3	25.7		ug/L		77	50 - 150	6	40
Aniline	ND		33.3	24.6		ug/L		74	50 - 150	5	40
Acenaphthylene	ND		33.3	25.4		ug/L		76	50 - 150	6	40
Anthracene	ND		33.3	27.2		ug/L		82	50 - 150	6	40
Benzoic acid	ND	F1	152	276	E F1	ug/L		182	50 - 150	3	40
Benzo[a]anthracene	ND		33.3	28.3		ug/L		85	50 - 150	0	40
Benzyl alcohol	ND		33.3	31.9	J	ug/L		96	50 - 150	8	40
Benzo[a]pyrene	ND		33.3	28.0		ug/L		84	50 - 150	5	40
Bis(2-chloroethoxy)methane	ND		33.3	30.0		ug/L		90	50 - 150	2	40
Benzo[b]fluoranthene	ND		33.3	28.8		ug/L		86	50 - 150	4	40
Bis(2-chloroethyl)ether	ND		33.3	26.1		ug/L		78	50 - 150	0	40
Benzo[g,h,i]perylene	ND		33.3	27.6		ug/L		83	50 - 150	5	40
bis (2-chloroisopropyl) ether	ND		33.3	26.4		ug/L		79	50 - 150	2	40
Benzo[k]fluoranthene	ND		33.3	28.1		ug/L		84	50 - 150	4	40
Bis(2-ethylhexyl) phthalate	ND		33.3	27.7		ug/L		83	50 - 150	3	40
4-Bromophenyl phenyl ether	ND		33.3	26.9		ug/L		81	50 - 150	7	40
Chrysene	ND		33.3	28.2		ug/L		85	50 - 150	6	40
Butyl benzyl phthalate	ND		33.3	22.3		ug/L		67	50 - 150	7	40
Dibenz(a,h)anthracene	ND		33.3	27.7		ug/L		83	50 - 150	5	40
4-Chloroaniline	ND		33.3	30.3		ug/L		91	50 - 150	6	40
Fluoranthene	ND		33.3	27.4		ug/L		82	50 - 150	6	40
4-Chloro-3-methylphenol	ND		33.3	28.0		ug/L		84	50 - 150	7	40
Fluorene	ND		33.3	26.1		ug/L		78	50 - 150	7	40
2-Chloronaphthalene	ND		33.3	31.6		ug/L		95	50 - 150	4	40
2-Chlorophenol	ND		33.3	26.5		ug/L		79	50 - 150	4	40
Indeno[1,2,3-cd]pyrene	ND		33.3	25.8		ug/L		77	50 - 150	5	40
1-Methylnaphthalene	ND		33.3	23.1		ug/L		69	50 - 150	0	40
4-Chlorophenyl phenyl ether	ND		33.3	25.9		ug/L		78	50 - 150	5	40
2-Methylnaphthalene	ND		33.3	25.3		ug/L		76	50 - 150	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 726533

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz[a,h]acridine	ND		33.3	27.0		ug/L		81	50 - 150	2	40
Dibenzofuran	ND		33.3	26.3		ug/L		79	50 - 150	5	40
3,3'-Dichlorobenzidine	ND	F1	66.7	32.8	F1	ug/L		49	50 - 150	12	40
Phenanthrene	ND		33.3	27.1		ug/L		81	50 - 150	6	40
2,4-Dichlorophenol	ND		33.3	27.2		ug/L		82	50 - 150	5	40
Pyrene	ND		33.3	28.5		ug/L		86	50 - 150	6	40
Diethyl phthalate	ND	F1	33.3	15.6	F1	ug/L		47	50 - 150	2	40
2,4-Dimethylphenol	ND	F1	33.3	19.1		ug/L		57	50 - 150	31	40
Dimethyl phthalate	ND	F1	33.3	16.7		ug/L		50	50 - 150	2	40
Di-n-butyl phthalate	ND		33.3	19.9		ug/L		60	50 - 150	3	40
4,6-Dinitro-ortho-cresol	ND		66.7	62.0		ug/L		93	50 - 150	3	40
2,4-Dinitrophenol	ND		66.7	68.3		ug/L		102	50 - 150	4	40
2,4-Dinitrotoluene	ND		33.3	27.7		ug/L		83	50 - 150	6	40
2,6-Dinitrotoluene	ND		33.3	31.2		ug/L		94	50 - 150	7	40
Di-n-octyl phthalate	ND		33.3	27.7		ug/L		83	50 - 150	2	40
1,4-Dioxane	ND		33.3	30.1		ug/L		90	50 - 150	9	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.3	27.5		ug/L		83	50 - 150	5	40
Hexachlorobenzene	ND		33.3	25.9		ug/L		78	50 - 150	5	40
Hexachlorocyclopentadiene	ND		33.3	23.7		ug/L		71	50 - 150	0	40
Hexachloroethane	ND		33.3	21.1		ug/L		63	50 - 150	0	40
Indene	ND		33.3	19.2		ug/L		58	50 - 150	0	40
Isophorone	ND		33.3	29.4		ug/L		88	50 - 150	2	40
2-Methylphenol	ND		33.3	23.4		ug/L		70	50 - 150	24	40
3 & 4 Methylphenol	ND		33.3	24.9		ug/L		75	50 - 150	20	40
2-Nitroaniline	ND		33.3	22.0		ug/L		66	50 - 150	8	40
3-Nitroaniline	ND		33.3	25.3		ug/L		76	50 - 150	5	40
4-Nitroaniline	ND		33.3	18.8		ug/L		56	50 - 150	6	40
Nitrobenzene	ND		33.3	28.6		ug/L		86	50 - 150	4	40
2-Nitrophenol	ND		33.3	28.4		ug/L		85	50 - 150	1	40
4-Nitrophenol	ND		66.7	78.2		ug/L		117	50 - 150	3	40
N-Nitrosodimethylamine	ND		33.3	33.4		ug/L		100	50 - 150	10	40
N-Nitrosodi-n-propylamine	ND		33.3	27.0		ug/L		81	50 - 150	1	40
N-Nitrosodiphenylamine	ND		33.1	27.8		ug/L		84	50 - 150	7	40
Pentachlorophenol	ND		66.7	63.0		ug/L		95	50 - 150	4	40
Phenol	ND		33.3	29.2		ug/L		88	50 - 150	16	40
Pyridine	ND		66.7	52.6		ug/L		79	50 - 150	15	40
Quinoline	ND		33.3	28.9		ug/L		87	50 - 150	1	40
2,4,5-Trichlorophenol	ND		33.3	28.2		ug/L		85	50 - 150	7	40
2,4,6-Trichlorophenol	ND		33.3	26.7		ug/L		80	50 - 150	4	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*114*		*15 - 150*
Nitrobenzene-d5	*130*		*50 - 150*
Terphenyl-d14	*69*		*43 - 147*
2-Fluorobiphenyl	*114*		*25 - 139*
2-Fluorophenol	*79*		*10 - 150*
Nitrobenzene-d5	*130*		*22 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283769-4 MSD
Matrix: Water
Analysis Batch: 726533

Client Sample ID: MW12-ROX-100725
Prep Type: Total/NA
Prep Batch: 726490

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5	*79*		*10 - 150*
Terphenyl-d14	*69*		*28 - 150*
2,4,6-Tribromophenol	*82*		*10 - 150*

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzenethiol	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzoic acid	ND		100	80	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 19:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 13:06	10/16/25 19:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chloroaniline	ND		10	0.58	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Chlorophenol	ND		10	0.84	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dibenzofuran	ND		10	0.64	ug/L		10/14/25 13:06	10/16/25 19:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/14/25 13:06	10/16/25 19:06	1
Diethyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/14/25 13:06	10/16/25 19:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/14/25 13:06	10/16/25 19:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
1,4-Dioxane	ND		10	4.3	ug/L		10/14/25 13:06	10/16/25 19:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachloroethane	ND		10	0.53	ug/L		10/14/25 13:06	10/16/25 19:06	1
Indene	ND		10	0.44	ug/L		10/14/25 13:06	10/16/25 19:06	1
Isophorone	ND		10	0.80	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Methylphenol	ND		10	0.76	ug/L		10/14/25 13:06	10/16/25 19:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 13:06	10/16/25 19:06	1
3-Nitroaniline	ND		10	0.95	ug/L		10/14/25 13:06	10/16/25 19:06	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 13:06	10/16/25 19:06	1
Nitrobenzene	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Nitrophenol	ND		10	2.7	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 13:06	10/16/25 19:06	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 19:06	1
Phenol	ND		10	0.68	ug/L		10/14/25 13:06	10/16/25 19:06	1
Pyridine	ND		10	3.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
Quinoline	ND		10	0.50	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 13:06	10/16/25 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*25 - 139*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
2-Fluorophenol	*99*		*10 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
Phenol-d5	*88*		*10 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
Terphenyl-d14	*95*		*28 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*
2,4,6-Tribromophenol	*98*		*10 - 150*	*10/14/25 13:06*	*10/16/25 19:06*	*1*

Lab Sample ID: LCS 400-726759/2-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	33.7		ug/L		101	10 - 134
Benzoic acid	152	138		ug/L		91	10 - 180
Benzyl alcohol	33.3	41.7		ug/L		125	10 - 150
Bis(2-chloroethoxy)methane	33.3	36.4		ug/L		109	34 - 120
Bis(2-chloroethyl)ether	33.3	30.1		ug/L		90	32 - 114
bis (2-chloroisopropyl) ether	33.3	31.0		ug/L		93	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	31.6		ug/L		95	24 - 133
4-Bromophenyl phenyl ether	33.3	34.0		ug/L		102	24 - 120
Butyl benzyl phthalate	33.3	30.5		ug/L		92	24 - 140
4-Chloroaniline	33.3	38.0		ug/L		114	10 - 150
4-Chloro-3-methylphenol	33.3	38.6		ug/L		116	10 - 137
2-Chloronaphthalene	33.3	52.9	*+	ug/L		159	10 - 150
2-Chlorophenol	33.3	32.5		ug/L		97	28 - 127
4-Chlorophenyl phenyl ether	33.3	28.0		ug/L		84	31 - 110
Dibenz[a,h]acridine	33.3	37.3		ug/L		112	40 - 150
Dibenzofuran	33.3	28.9		ug/L		87	35 - 110
3,3'-Dichlorobenzidine	66.7	43.0		ug/L		65	10 - 150
2,4-Dichlorophenol	33.3	36.5		ug/L		109	30 - 125
Diethyl phthalate	33.3	26.7		ug/L		80	31 - 118
2,4-Dimethylphenol	33.3	32.6		ug/L		98	10 - 142
Dimethyl phthalate	33.3	25.8		ug/L		77	24 - 125

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726759/2-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	33.3	33.5		ug/L		100	30 - 127
4,6-Dinitro-ortho-cresol	66.7	67.9		ug/L		102	10 - 150
2,4-Dinitrophenol	66.7	66.0		ug/L		99	10 - 150
2,4-Dinitrotoluene	33.3	31.9		ug/L		96	30 - 129
2,6-Dinitrotoluene	33.3	35.1		ug/L		105	34 - 132
Di-n-octyl phthalate	33.3	32.5		ug/L		98	28 - 142
1,4-Dioxane	33.3	31.4		ug/L		94	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	30.1		ug/L		90	29 - 121
Hexachlorobenzene	33.3	33.1		ug/L		99	29 - 113
Hexachlorocyclopentadiene	33.3	22.8		ug/L		68	10 - 150
Hexachloroethane	33.3	22.9		ug/L		69	10 - 112
Indene	33.3	25.2		ug/L		76	10 - 113
Isophorone	33.3	31.8		ug/L		95	29 - 125
2-Methylphenol	33.3	32.1		ug/L		96	11 - 121
3 & 4 Methylphenol	33.3	35.0		ug/L		105	10 - 150
2-Nitroaniline	33.3	32.4		ug/L		97	31 - 141
3-Nitroaniline	33.3	30.5		ug/L		92	33 - 136
4-Nitroaniline	33.3	30.1		ug/L		90	37 - 139
Nitrobenzene	33.3	30.5		ug/L		91	29 - 129
2-Nitrophenol	33.3	34.7		ug/L		104	31 - 142
4-Nitrophenol	66.7	84.7		ug/L		127	10 - 150
N-Nitrosodimethylamine	33.3	30.2		ug/L		91	10 - 136
N-Nitrosodi-n-propylamine	33.3	32.3		ug/L		97	50 - 134
N-Nitrosodiphenylamine	33.1	31.6		ug/L		95	50 - 132
Pentachlorophenol	66.7	78.7		ug/L		118	14 - 150
Phenol	33.3	33.6		ug/L		101	10 - 150
Pyridine	66.7	65.8		ug/L		99	10 - 150
Quinoline	33.3	38.7		ug/L		116	40 - 150
2,4,5-Trichlorophenol	33.3	33.5		ug/L		101	27 - 136
2,4,6-Trichlorophenol	33.3	32.8		ug/L		98	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*85*		*22 - 150*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*95*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-726759/3-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	27.3		ug/L		82	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726759/3-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	82		25 - 139
2-Fluorophenol	103		10 - 150
Nitrobenzene-d5	84		22 - 150
Phenol-d5	98		10 - 150
Terphenyl-d14	103		28 - 150
2,4,6-Tribromophenol	95		10 - 150

Lab Sample ID: LCSD 400-726759/4-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	28.6		ug/L		86	10 - 150	5	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	86		25 - 139
2-Fluorophenol	97		10 - 150
Nitrobenzene-d5	88		22 - 150
Phenol-d5	89		10 - 150
Terphenyl-d14	110		28 - 150
2,4,6-Tribromophenol	98		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/7/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, T JENKINS

TELEPHONE.	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com, brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100725-8260	10/7/2025	0000	Water	2					2	X			
	TB-ROX-100725-8260SIM	10/7/2025	0000	Water	2					2		X		
	MW16-ROX-100725	10/7/2025	0940	Water	6			4		10	X	X	X	X
	MW12-ROX-100725	10/7/2025	1100	Water	6			4		10	X	X	X	X
	MW12-ROX-100725-MS	10/7/2025	1100	Water	6			4		10	X	X	X	X
	MW12-ROX-100725-MSD	10/7/2025	1100	Water	6			4		10	X	X	X	X
	MW26-ROX-100725	10/7/2025	1320	Water	6			4		10	X	X	X	X

400-283769 Chain of Custody

Relinquished by: (Signature) S.MCLEAN	Received by: (Signature) FEDEX: 4234 9608 5454	Date: 10/7/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) (Eurofins)	Date: 10/8/25	Time: 915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698070/ 2698071

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10/21/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478 2671

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM.	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-386719 1
Client Contact.	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400-283769 1
Address	**Due Date Requested**			**Preservation Codes:**
18410 Crossing Drive, Suite E,	10/17/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip.				
IL, 60487				
Phone	**PO #**			
708-534-5200(Tel) 708 534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			
N/A	N/A			Other. N/A

400-283769 COC

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX 100725 8260 (400-283769-1)	10/7/25	Central	G	Water			X	1	
MW16-ROX-100725 (400 283769 3)	10/7/25	09 40 Central	G	Water			X	3	
MW12-ROX 100725 (400-283769-4)	10/7/25	11:00 Central	G	Water			X	3	
MW12-ROX-100725 (400-283769 4MS)	10/7/25	11:00 Central	G	Water			X	3	
MW12 ROX-100725 (400-283769-4MSD)	10/7/25	11 00 Central	G	Water			X	3	
MW26-ROX 100725 (400-283769-5)	10/7/25	13 20 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/8/25 1700	ETS		10/9/25 0900	ETS
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		-0.1 → -0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283769-1

Login Number: 283769
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1-B BROKEN
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283769-1

Login Number: 283769
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/09/25 05:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283769-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283851-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/11/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/15/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-726807/2-A	SVOCs	4,6-Dinitro-ortho-cresol	**169**	NA	10-150
		2,4-Dinitrophenol	**158**	NA	10-150
		2,6-Dinitrotoluene	**135**	NA	34-132

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) and continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW6D-ROX-100825	VOCs	Acrolein	UJ
MW6D-ROX-100825	VOCs	Acetone	UJ
MW6D-ROX-100825	VOCs	2-Butanone (MEK)	UJ
MW6D-ROX-100825	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW6D-ROX-100825	VOCs	2-Hexanone	UJ
MW6C-ROX-100825	VOCs	Acetone	UJ
MW6C-ROX-100825	VOCs	2-Butanone (MEK)	UJ
MW6C-ROX-100825	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW6C-ROX-100825	VOCs	2-Hexanone	UJ
MW6C-ROX-100825	VOCs	Acrolein	UJ
MW6B-ROX-100825	VOCs	Acetone	UJ
MW6B-ROX-100825	VOCs	2-Butanone (MEK)	UJ
MW6B-ROX-100825	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW6B-ROX-100825	VOCs	2-Hexanone	UJ
MW6B-ROX-100825	VOCs	Acrolein	UJ
MW6A-ROX-100825	VOCs	Acrolein	UJ
MW6A-ROX-100825	VOCs	Acetone	UJ
MW6A-ROX-100825	VOCs	2-Butanone (MEK)	UJ
MW6A-ROX-100825	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW6A-ROX-100825	VOCs	2-Hexanone	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for Dimethyl phthalate were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW6B-ROX-100825	SVOCs	Dimethyl phthalate	UJ
MW6A-ROX-100825	SVOCs	Dimethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/21/2025 7:32:32 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283851-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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10/21/2025 7:32:32 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-283851-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/9/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838796 was below the method criteria for the following analyte(s): Acetone, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838796 was above the method criteria for the following analyte(s): Bromomethane, 1,2,3-Trichlorobenzene, Vinyl acetate and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726533 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-726807 and analytical batch 400-726884 recovered outside control limits for the following analytes: 2,4-Dinitrophenol, 2,6-Dinitrotoluene and 4,6-Dinitro-2-methylphenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered outside acceptance criteria, low biased, for Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered above the upper control limit for Benzoic acid, Benzyl alcohol and Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283851-1	TB-ROX-100825-8260	Water	10/08/25 00:00	10/09/25 09:35	Illinois
400-283851-2	TB-ROX-100825-8260SIM	Water	10/08/25 00:00	10/09/25 09:35	Illinois
400-283851-3	MW6D-ROX-100825	Water	10/08/25 10:00	10/09/25 09:35	Illinois
400-283851-4	MW6C-ROX-100825	Water	10/08/25 11:20	10/09/25 09:35	Illinois
400-283851-5	MW6B-ROX-100825	Water	10/08/25 12:50	10/09/25 09:35	Illinois
400-283851-6	MW6A-ROX-100825	Water	10/08/25 13:40	10/09/25 09:35	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Client Sample ID: TB-ROX-100825-8260 — Lab Sample ID: 400-283851-1

No Detections.

Client Sample ID: TB-ROX-100825-8260SIM — Lab Sample ID: 400-283851-2

No Detections.

Client Sample ID: MW6D-ROX-100825 — Lab Sample ID: 400-283851-3

No Detections.

Client Sample ID: MW6C-ROX-100825 — Lab Sample ID: 400-283851-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Chloroaniline	0.62	J	9.9	0.58	ug/L	1		8270E	Total/NA

Client Sample ID: MW6B-ROX-100825 — Lab Sample ID: 400-283851-5

No Detections.

Client Sample ID: MW6A-ROX-100825 — Lab Sample ID: 400-283851-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Client Sample ID: TB-ROX-100825-8260
Date Collected: 10/08/25 00:00
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 10:02	1
Acrolein	ND		100	35	ug/L			10/18/25 10:02	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 10:02	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 10:02	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 10:02	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 10:02	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 10:02	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 10:02	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 10:02	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 10:02	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 10:02	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 10:02	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:02	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 10:02	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 10:02	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 10:02	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 10:02	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 10:02	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 10:02	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 10:02	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 10:02	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 10:02	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:02	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 10:02	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 10:02	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 10:02	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 10:02	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 10:02	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 10:02	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 10:02	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 10:02	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 10:02	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 10:02	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 10:02	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 10:02	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 10:02	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:02	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 10:02	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 10:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 10:02	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 10:02	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 10:02	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 10:02	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 10:02	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 10:02	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 10:02	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 10:02	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 10:02	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 10:02	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Client Sample ID: TB-ROX-100825-8260
Date Collected: 10/08/25 00:00
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 10:02	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 10:02	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 10:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 10:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 10:02	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 10:02	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 10:02	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 10:02	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 10:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 10:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 10:02	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 10:02	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 10:02	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 10:02	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 10:02	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 10:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 10:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:02	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 10:02	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 10:02	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/18/25 10:02*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/18/25 10:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/18/25 10:02*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 10:02*	*1*

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100825-8260SIM
Lab Sample ID: 400-283851-2
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 08:50	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/16/25 08:50*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/16/25 08:50*	*1*
4-Bromofluorobenzene	*95*		*50 - 150*		*10/16/25 08:50*	*1*

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6D-ROX-100825
Lab Sample ID: 400-283851-3
Date Collected: 10/08/25 10:00
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 15:51	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/16/25 15:51*	*1*
Toluene-d8 (Surr)	*86*		*50 - 150*		*10/16/25 15:51*	*1*
4-Bromofluorobenzene	*90*		*50 - 150*		*10/16/25 15:51*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 13:35	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 13:35	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 13:35	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 13:35	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 13:35	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 13:35	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 13:35	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 13:35	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 13:35	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 13:35	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 13:35	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 13:35	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 13:35	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 13:35	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 13:35	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 13:35	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 13:35	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 13:35	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 13:35	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 13:35	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 13:35	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 13:35	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 13:35	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 13:35	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 13:35	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 13:35	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 13:35	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 13:35	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 13:35	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 13:35	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 13:35	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 13:35	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 13:35	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 13:35	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 13:35	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 13:35	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 13:35	1

Client Sample ID: MW6D-ROX-100825
Date Collected: 10/08/25 10:00
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 13:35	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 13:35	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 13:35	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 13:35	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 13:35	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 13:35	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 13:35	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 13:35	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 13:35	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 13:35	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 13:35	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 13:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 13:35	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 13:35	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 13:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 13:35	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 13:35	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 13:35	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 13:35	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 13:35	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 13:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 13:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 13:35	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 13:35	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 13:35	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/18/25 13:35*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*10/18/25 13:35*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 13:35*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/11/25 14:32	10/13/25 19:09	1
Aniline	ND		10	0.75	ug/L		10/11/25 14:32	10/13/25 19:09	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzenethiol	ND		10	0.61	ug/L		10/11/25 14:32	10/13/25 19:09	1
Anthracene	ND		0.20	0.074	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzoic acid	ND		100	81	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzyl alcohol	ND		35	30	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/11/25 14:32	10/13/25 19:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/11/25 14:32	10/13/25 19:09	1

Client Sample ID: MW6D-ROX-100825
Date Collected: 10/08/25 10:00
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/11/25 14:32	10/13/25 19:09	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/11/25 14:32	10/13/25 19:09	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/11/25 14:32	10/13/25 19:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:32	10/13/25 19:09	1
Chrysene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 19:09	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/11/25 14:32	10/13/25 19:09	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Chloroaniline	ND		10	0.59	ug/L		10/11/25 14:32	10/13/25 19:09	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/11/25 14:32	10/13/25 19:09	1
Fluorene	ND		0.20	0.088	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Chlorophenol	ND		10	0.85	ug/L		10/11/25 14:32	10/13/25 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 19:09	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/11/25 14:32	10/13/25 19:09	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/11/25 14:32	10/13/25 19:09	1
Dibenzofuran	ND		10	0.65	ug/L		10/11/25 14:32	10/13/25 19:09	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/11/25 14:32	10/13/25 19:09	1
Phenanthrene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/11/25 14:32	10/13/25 19:09	1
Pyrene	ND		0.20	0.096	ug/L		10/11/25 14:32	10/13/25 19:09	1
Diethyl phthalate	ND		10	4.1	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/11/25 14:32	10/13/25 19:09	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/11/25 14:32	10/13/25 19:09	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/11/25 14:32	10/13/25 19:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:32	10/13/25 19:09	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/11/25 14:32	10/13/25 19:09	1
1,4-Dioxane	ND		10	4.4	ug/L		10/11/25 14:32	10/13/25 19:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/11/25 14:32	10/13/25 19:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:32	10/13/25 19:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:32	10/13/25 19:09	1
Hexachloroethane	ND		10	0.54	ug/L		10/11/25 14:32	10/13/25 19:09	1
Indene	ND		10	0.45	ug/L		10/11/25 14:32	10/13/25 19:09	1
Isophorone	ND		10	0.81	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Methylphenol	ND		10	0.77	ug/L		10/11/25 14:32	10/13/25 19:09	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:32	10/13/25 19:09	1
3-Nitroaniline	ND		10	0.96	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:32	10/13/25 19:09	1
Nitrobenzene	ND		10	0.61	ug/L		10/11/25 14:32	10/13/25 19:09	1
2-Nitrophenol	ND		10	1.2	ug/L		10/11/25 14:32	10/13/25 19:09	1
4-Nitrophenol	ND		10	2.8	ug/L		10/11/25 14:32	10/13/25 19:09	1

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6D-ROX-100825
Lab Sample ID: 400-283851-3
Date Collected: 10/08/25 10:00
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/11/25 14:32	10/13/25 19:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:32	10/13/25 19:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:32	10/13/25 19:09	1
Pentachlorophenol	ND		10	2.8	ug/L		10/11/25 14:32	10/13/25 19:09	1
Phenol	ND		10	0.69	ug/L		10/11/25 14:32	10/13/25 19:09	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:32	10/13/25 19:09	1
Quinoline	ND		10	0.51	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/11/25 14:32	10/13/25 19:09	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/11/25 14:32	10/13/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
2-Fluorobiphenyl	*73*		*25 - 139*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
2-Fluorophenol	*90*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
Phenol-d5	*83*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
Terphenyl-d14	*77*		*28 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:09*	*1*

Client Sample ID: MW6C-ROX-100825
Date Collected: 10/08/25 11:20
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 16:14	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*115*		*50 - 150*		*10/16/25 16:14*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/16/25 16:14*	*1*
4-Bromofluorobenzene	*88*		*50 - 150*		*10/16/25 16:14*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 14:02	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 14:02	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 14:02	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 14:02	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 14:02	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 14:02	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 14:02	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 14:02	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 14:02	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 14:02	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 14:02	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 14:02	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:02	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 14:02	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 14:02	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 14:02	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 14:02	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 14:02	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 14:02	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 14:02	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 14:02	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 14:02	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:02	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 14:02	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 14:02	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 14:02	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 14:02	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 14:02	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 14:02	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 14:02	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 14:02	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 14:02	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 14:02	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 14:02	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 14:02	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 14:02	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:02	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 14:02	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 14:02	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 14:02	1

Client Sample ID: MW6C-ROX-100825
Date Collected: 10/08/25 11:20
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 14:02	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 14:02	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 14:02	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 14:02	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 14:02	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 14:02	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 14:02	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 14:02	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 14:02	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 14:02	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 14:02	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 14:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 14:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 14:02	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 14:02	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 14:02	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 14:02	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 14:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 14:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 14:02	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 14:02	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 14:02	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 14:02	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 14:02	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 14:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 14:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:02	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 14:02	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 14:02	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 14:02*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/18/25 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/18/25 14:02*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 14:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/11/25 14:32	10/13/25 19:39	1
Aniline	ND		9.9	0.74	ug/L		10/11/25 14:32	10/13/25 19:39	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzenethiol	ND		9.9	0.60	ug/L		10/11/25 14:32	10/13/25 19:39	1
Anthracene	ND		0.20	0.073	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzoic acid	ND		99	79	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzyl alcohol	ND		35	30	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:32	10/13/25 19:39	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:32	10/13/25 19:39	1

Client Sample ID: MW6C-ROX-100825
Date Collected: 10/08/25 11:20
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/11/25 14:32	10/13/25 19:39	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/11/25 14:32	10/13/25 19:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:32	10/13/25 19:39	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/11/25 14:32	10/13/25 19:39	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:32	10/13/25 19:39	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Chloroaniline	**0.62**	**J**	9.9	0.58	ug/L		10/11/25 14:32	10/13/25 19:39	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		10/11/25 14:32	10/13/25 19:39	1
Fluorene	ND		0.20	0.086	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/11/25 14:32	10/13/25 19:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:32	10/13/25 19:39	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/11/25 14:32	10/13/25 19:39	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		10/11/25 14:32	10/13/25 19:39	1
Dibenzofuran	ND		9.9	0.64	ug/L		10/11/25 14:32	10/13/25 19:39	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/11/25 14:32	10/13/25 19:39	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		10/11/25 14:32	10/13/25 19:39	1
Pyrene	ND		0.20	0.094	ug/L		10/11/25 14:32	10/13/25 19:39	1
Diethyl phthalate	ND		9.9	4.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		10/11/25 14:32	10/13/25 19:39	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/11/25 14:32	10/13/25 19:39	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/11/25 14:32	10/13/25 19:39	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/11/25 14:32	10/13/25 19:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/11/25 14:32	10/13/25 19:39	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/11/25 14:32	10/13/25 19:39	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:32	10/13/25 19:39	1
Hexachloroethane	ND		9.9	0.53	ug/L		10/11/25 14:32	10/13/25 19:39	1
Indene	ND		9.9	0.44	ug/L		10/11/25 14:32	10/13/25 19:39	1
Isophorone	ND		9.9	0.79	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/11/25 14:32	10/13/25 19:39	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/11/25 14:32	10/13/25 19:39	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/11/25 14:32	10/13/25 19:39	1
Nitrobenzene	ND		9.9	0.60	ug/L		10/11/25 14:32	10/13/25 19:39	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/11/25 14:32	10/13/25 19:39	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/11/25 14:32	10/13/25 19:39	1

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6C-ROX-100825
Lab Sample ID: 400-283851-4
Date Collected: 10/08/25 11:20
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/11/25 14:32	10/13/25 19:39	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/11/25 14:32	10/13/25 19:39	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/11/25 14:32	10/13/25 19:39	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/11/25 14:32	10/13/25 19:39	1
Phenol	ND		9.9	0.68	ug/L		10/11/25 14:32	10/13/25 19:39	1
Pyridine	ND		9.9	3.0	ug/L		10/11/25 14:32	10/13/25 19:39	1
Quinoline	ND		9.9	0.50	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		10/11/25 14:32	10/13/25 19:39	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/11/25 14:32	10/13/25 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
Terphenyl-d14	*75*		*43 - 147*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
2-Fluorobiphenyl	*75*		*25 - 139*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
2-Fluorophenol	*85*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
Phenol-d5	*78*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
Terphenyl-d14	*75*		*28 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*10/11/25 14:32*	*10/13/25 19:39*	*1*

Client Sample ID: MW6B-ROX-100825
Date Collected: 10/08/25 12:50
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-5
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 16:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/16/25 16:38*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/16/25 16:38*	*1*
4-Bromofluorobenzene	*89*		*50 - 150*		*10/16/25 16:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 14:28	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 14:28	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 14:28	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 14:28	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 14:28	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 14:28	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 14:28	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 14:28	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 14:28	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 14:28	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 14:28	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 14:28	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:28	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 14:28	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 14:28	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 14:28	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 14:28	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 14:28	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 14:28	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 14:28	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 14:28	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 14:28	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:28	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 14:28	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 14:28	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 14:28	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 14:28	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 14:28	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 14:28	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 14:28	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 14:28	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 14:28	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 14:28	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 14:28	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 14:28	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 14:28	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:28	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 14:28	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 14:28	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 14:28	1

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6B-ROX-100825
Lab Sample ID: 400-283851-5
Date Collected: 10/08/25 12:50
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 14:28	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 14:28	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 14:28	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 14:28	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 14:28	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 14:28	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 14:28	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 14:28	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 14:28	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 14:28	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 14:28	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 14:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 14:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 14:28	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 14:28	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 14:28	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 14:28	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 14:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 14:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 14:28	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 14:28	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 14:28	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 14:28	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 14:28	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 14:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 14:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:28	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 14:28	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 14:28	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/18/25 14:28*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/18/25 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 14:28*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 14:28*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/14/25 16:18	10/17/25 15:06	1
Aniline	ND		10	0.74	ug/L		10/14/25 16:18	10/17/25 15:06	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzenethiol	ND		10	0.60	ug/L		10/14/25 16:18	10/17/25 15:06	1
Anthracene	ND		0.20	0.073	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzoic acid	ND		100	80	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/14/25 16:18	10/17/25 15:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/14/25 16:18	10/17/25 15:06	1

Client Sample ID: MW6B-ROX-100825
Date Collected: 10/08/25 12:50
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/14/25 16:18	10/17/25 15:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/14/25 16:18	10/17/25 15:06	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/14/25 16:18	10/17/25 15:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 16:18	10/17/25 15:06	1
Chrysene	ND		0.20	0.039	ug/L		10/14/25 16:18	10/17/25 15:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Chloroaniline	ND		10	0.58	ug/L		10/14/25 16:18	10/17/25 15:06	1
Fluoranthene	ND		0.20	0.032	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/14/25 16:18	10/17/25 15:06	1
Fluorene	ND		0.20	0.087	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Chlorophenol	ND		10	0.84	ug/L		10/14/25 16:18	10/17/25 15:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/14/25 16:18	10/17/25 15:06	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/14/25 16:18	10/17/25 15:06	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/14/25 16:18	10/17/25 15:06	1
Dibenzofuran	ND		10	0.64	ug/L		10/14/25 16:18	10/17/25 15:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/14/25 16:18	10/17/25 15:06	1
Phenanthrene	ND		0.20	0.044	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/14/25 16:18	10/17/25 15:06	1
Pyrene	ND		0.20	0.095	ug/L		10/14/25 16:18	10/17/25 15:06	1
Diethyl phthalate	ND		10	4.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 16:18	10/17/25 15:06	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/14/25 16:18	10/17/25 15:06	1
4,6-Dinitro-ortho-cresol	ND	*+	10	2.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4-Dinitrophenol	ND	*+	30	4.7	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,6-Dinitrotoluene	ND	*+	10	0.29	ug/L		10/14/25 16:18	10/17/25 15:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
1,4-Dioxane	ND		10	4.3	ug/L		10/14/25 16:18	10/17/25 15:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/14/25 16:18	10/17/25 15:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 16:18	10/17/25 15:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 16:18	10/17/25 15:06	1
Hexachloroethane	ND		10	0.53	ug/L		10/14/25 16:18	10/17/25 15:06	1
Indene	ND		10	0.44	ug/L		10/14/25 16:18	10/17/25 15:06	1
Isophorone	ND		10	0.80	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Methylphenol	ND		10	0.76	ug/L		10/14/25 16:18	10/17/25 15:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 16:18	10/17/25 15:06	1
3-Nitroaniline	ND		10	0.95	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 16:18	10/17/25 15:06	1
Nitrobenzene	ND		10	0.60	ug/L		10/14/25 16:18	10/17/25 15:06	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 16:18	10/17/25 15:06	1
4-Nitrophenol	ND		10	2.7	ug/L		10/14/25 16:18	10/17/25 15:06	1

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6B-ROX-100825
Lab Sample ID: 400-283851-5
Date Collected: 10/08/25 12:50
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/14/25 16:18	10/17/25 15:06	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 16:18	10/17/25 15:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 16:18	10/17/25 15:06	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 16:18	10/17/25 15:06	1
Phenol	ND		10	0.68	ug/L		10/14/25 16:18	10/17/25 15:06	1
Pyridine	ND		10	3.0	ug/L		10/14/25 16:18	10/17/25 15:06	1
Quinoline	ND		10	0.50	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/14/25 16:18	10/17/25 15:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 16:18	10/17/25 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
Terphenyl-d14	*76*		*43 - 147*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
2-Fluorobiphenyl	*66*		*25 - 139*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
Phenol-d5	*70*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
Terphenyl-d14	*76*		*28 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*
2,4,6-Tribromophenol	*78*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:06*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Client Sample ID: MW6A-ROX-100825

Lab Sample ID: 400-283851-6

Date Collected: 10/08/25 13:40

Matrix: Water

Date Received: 10/09/25 09:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 17:01	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/16/25 17:01*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/16/25 17:01*	*1*
4-Bromofluorobenzene	*89*		*50 - 150*		*10/16/25 17:01*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 14:54	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 14:54	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 14:54	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 14:54	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 14:54	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 14:54	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 14:54	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 14:54	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 14:54	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 14:54	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 14:54	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 14:54	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:54	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 14:54	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 14:54	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 14:54	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 14:54	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 14:54	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 14:54	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 14:54	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 14:54	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 14:54	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 14:54	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 14:54	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 14:54	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 14:54	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 14:54	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 14:54	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 14:54	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 14:54	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 14:54	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 14:54	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 14:54	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 14:54	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 14:54	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 14:54	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:54	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 14:54	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 14:54	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 14:54	1

Client Sample ID: MW6A-ROX-100825
Date Collected: 10/08/25 13:40
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 14:54	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 14:54	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 14:54	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 14:54	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 14:54	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 14:54	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 14:54	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 14:54	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 14:54	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 14:54	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 14:54	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 14:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 14:54	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 14:54	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 14:54	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 14:54	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 14:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 14:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 14:54	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 14:54	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 14:54	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 14:54	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 14:54	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 14:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 14:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 14:54	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 14:54	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 14:54	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 14:54*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/18/25 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/18/25 14:54*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/18/25 14:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.083	ug/L		10/14/25 16:18	10/17/25 15:37	1
Aniline	ND		9.8	0.73	ug/L		10/14/25 16:18	10/17/25 15:37	1
Acenaphthylene	ND		0.20	0.046	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzenethiol	ND		9.8	0.59	ug/L		10/14/25 16:18	10/17/25 15:37	1
Anthracene	ND		0.20	0.072	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzoic acid	ND		98	78	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzyl alcohol	ND		34	29	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		10/14/25 16:18	10/17/25 15:37	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		10/14/25 16:18	10/17/25 15:37	1

Client Sample ID: MW6A-ROX-100825
Date Collected: 10/08/25 13:40
Date Received: 10/09/25 09:35

Lab Sample ID: 400-283851-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		10/14/25 16:18	10/17/25 15:37	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		10/14/25 16:18	10/17/25 15:37	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		10/14/25 16:18	10/17/25 15:37	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		10/14/25 16:18	10/17/25 15:37	1
Chrysene	ND		0.20	0.038	ug/L		10/14/25 16:18	10/17/25 15:37	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Chloroaniline	ND		9.8	0.57	ug/L		10/14/25 16:18	10/17/25 15:37	1
Fluoranthene	ND		0.20	0.031	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		10/14/25 16:18	10/17/25 15:37	1
Fluorene	ND		0.20	0.085	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Chlorophenol	ND		9.8	0.82	ug/L		10/14/25 16:18	10/17/25 15:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		10/14/25 16:18	10/17/25 15:37	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Methylnaphthalene	ND		0.20	0.075	ug/L		10/14/25 16:18	10/17/25 15:37	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		10/14/25 16:18	10/17/25 15:37	1
Dibenzofuran	ND		9.8	0.63	ug/L		10/14/25 16:18	10/17/25 15:37	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		10/14/25 16:18	10/17/25 15:37	1
Phenanthrene	ND		0.20	0.043	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		10/14/25 16:18	10/17/25 15:37	1
Pyrene	ND		0.20	0.093	ug/L		10/14/25 16:18	10/17/25 15:37	1
Diethyl phthalate	ND		9.8	3.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		10/14/25 16:18	10/17/25 15:37	1
Dimethyl phthalate	ND	UJ	9.8	3.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
Di-n-butyl phthalate	ND		9.8	8.0	ug/L		10/14/25 16:18	10/17/25 15:37	1
4,6-Dinitro-ortho-cresol	ND	*+	9.8	1.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4-Dinitrophenol	ND	*+	29	4.6	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,6-Dinitrotoluene	ND	*+	9.8	0.28	ug/L		10/14/25 16:18	10/17/25 15:37	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
1,4-Dioxane	ND		9.8	4.2	ug/L		10/14/25 16:18	10/17/25 15:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		10/14/25 16:18	10/17/25 15:37	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		10/14/25 16:18	10/17/25 15:37	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		10/14/25 16:18	10/17/25 15:37	1
Hexachloroethane	ND		9.8	0.52	ug/L		10/14/25 16:18	10/17/25 15:37	1
Indene	ND		9.8	0.43	ug/L		10/14/25 16:18	10/17/25 15:37	1
Isophorone	ND		9.8	0.78	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Methylphenol	ND		9.8	0.75	ug/L		10/14/25 16:18	10/17/25 15:37	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Nitroaniline	ND		9.8	1.3	ug/L		10/14/25 16:18	10/17/25 15:37	1
3-Nitroaniline	ND		9.8	0.93	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Nitroaniline	ND		9.8	3.4	ug/L		10/14/25 16:18	10/17/25 15:37	1
Nitrobenzene	ND		9.8	0.59	ug/L		10/14/25 16:18	10/17/25 15:37	1
2-Nitrophenol	ND		9.8	1.1	ug/L		10/14/25 16:18	10/17/25 15:37	1
4-Nitrophenol	ND		9.8	2.7	ug/L		10/14/25 16:18	10/17/25 15:37	1

Client Sample ID: MW6A-ROX-100825
Lab Sample ID: 400-283851-6
Date Collected: 10/08/25 13:40
Matrix: Water
Date Received: 10/09/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		10/14/25 16:18	10/17/25 15:37	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		10/14/25 16:18	10/17/25 15:37	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		10/14/25 16:18	10/17/25 15:37	1
Pentachlorophenol	ND		9.8	2.7	ug/L		10/14/25 16:18	10/17/25 15:37	1
Phenol	ND		9.8	0.67	ug/L		10/14/25 16:18	10/17/25 15:37	1
Pyridine	ND		9.8	2.9	ug/L		10/14/25 16:18	10/17/25 15:37	1
Quinoline	ND		9.8	0.49	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		10/14/25 16:18	10/17/25 15:37	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		10/14/25 16:18	10/17/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
Terphenyl-d14	*57*		*43 - 147*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
2-Fluorobiphenyl	*67*		*25 - 139*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
2-Fluorophenol	*81*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
Phenol-d5	*74*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
Terphenyl-d14	*57*		*28 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*10/14/25 16:18*	*10/17/25 15:37*	*1*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283851-1	TB-ROX-100825-8260	100	100	102	105
400-283851-3	MW6D-ROX-100825	100	98	102	105
400-283851-4	MW6C-ROX-100825	99	100	104	105
400-283851-5	MW6B-ROX-100825	100	100	101	105
400-283851-6	MW6A-ROX-100825	99	101	103	104
LCS 500-838796/4	Lab Control Sample	95	100	99	103
LCSD 500-838796/5	Lab Control Sample Dup	97	99	96	104
MB 500-838796/8	Method Blank	99	98	98	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283851-2	TB-ROX-100825-8260SIM	112	90	95
400-283851-3	MW6D-ROX-100825	114	86	90
400-283851-4	MW6C-ROX-100825	115	88	88
400-283851-5	MW6B-ROX-100825	114	89	89
400-283851-6	MW6A-ROX-100825	114	90	89
LCS 400-726973/1003	Lab Control Sample	110	90	93
MB 400-726973/5	Method Blank	110	90	92

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283851-3	MW6D-ROX-100825	73	85	77	73	90	85	83	77
400-283851-4	MW6C-ROX-100825	75	84	75	75	85	84	78	75
400-283851-5	MW6B-ROX-100825	66	79	76	66	76	79	70	76
400-283851-6	MW6A-ROX-100825	67	84	57	67	81	84	74	57
LCS 400-726490/2-A	Lab Control Sample	73	86	91	73	97	86	103	91
LCS 400-726490/3-A	Lab Control Sample				77	93	86	92	102
LCS 400-726807/2-A	Lab Control Sample	69	119	80	69	81	119	76	80
LCS 400-726807/49-A	Lab Control Sample				62	76	73	75	88
LCSD 400-726490/4-A	Lab Control Sample Dup				70	89	81	88	96
LCSD 400-726807/50-A	Lab Control Sample Dup				66	83	74	85	88
MB 400-726490/1-A	Method Blank	77	83	92	77	94	83	90	92

Surrogate Summary

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
MB 400-726807/1-A	Method Blank	70	73	84	70	75	73	68	84

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-283851-3	MW6D-ROX-100825	75
400-283851-4	MW6C-ROX-100825	77
400-283851-5	MW6B-ROX-100825	78
400-283851-6	MW6A-ROX-100825	76
LCS 400-726490/2-A	Lab Control Sample	89
LCS 400-726490/3-A	Lab Control Sample	88
LCS 400-726807/2-A	Lab Control Sample	101
LCS 400-726807/49-A	Lab Control Sample	78
LCSD 400-726490/4-A	Lab Control Sample Dup	80
LCSD 400-726807/50-A	Lab Control Sample Dup	78
MB 400-726490/1-A	Method Blank	88
MB 400-726807/1-A	Method Blank	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283851-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100825-8260
Lab Sample ID: 400-283851-1
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 10:02	MM	EET CHI

Client Sample ID: TB-ROX-100825-8260SIM
Lab Sample ID: 400-283851-2
Date Collected: 10/08/25 00:00
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 08:50	WPD	EET PEN

Client Sample ID: MW6D-ROX-100825
Lab Sample ID: 400-283851-3
Date Collected: 10/08/25 10:00
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 13:35	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 15:51	WPD	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 19:09	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 19:09	JAW	EET PEN

Client Sample ID: MW6C-ROX-100825
Lab Sample ID: 400-283851-4
Date Collected: 10/08/25 11:20
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 14:02	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 16:14	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 19:39	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 19:39	JAW	EET PEN

Client Sample ID: MW6B-ROX-100825
Lab Sample ID: 400-283851-5
Date Collected: 10/08/25 12:50
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 14:28	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 16:38	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	726807	10/14/25 16:18	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 15:06	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	726807	10/14/25 16:18	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 15:06	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6A-ROX-100825
Lab Sample ID: 400-283851-6
Date Collected: 10/08/25 13:40
Matrix: Water
Date Received: 10/09/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 14:54	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 17:01	WPD	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	726807	10/14/25 16:18	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 15:37	JAW	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	726807	10/14/25 16:18	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 15:37	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726490/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 14:37	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 14:37	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726807/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:17	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 13:31	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:17	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 13:31	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726973/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 07:37	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838796/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 07:49	MM	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726490/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726532	10/13/25 15:08	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:31	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 15:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726490/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 15:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726807/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:17	JPH	EET PEN
Total/NA	Analysis	8270E		1			726883	10/15/25 16:11	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:17	JPH	EET PEN
Total/NA	Analysis	8270E		1			726884	10/15/25 16:11	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726807/49-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:40	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 14:03	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726973/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 06:37	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838796/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:04	MM	EET CHI

Lab Chronicle

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726490/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726490	10/11/25 14:32	JPH	EET PEN
Total/NA	Analysis	8270E		1			726533	10/13/25 16:08	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726807/50-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726807	10/14/25 16:40	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 14:34	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838796/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:30	MM	EET CHI

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 726973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-2	TB-ROX-100825-8260SIM	Total/NA	Water	8260D SIM	
400-283851-3	MW6D-ROX-100825	Total/NA	Water	8260D SIM	
400-283851-4	MW6C-ROX-100825	Total/NA	Water	8260D SIM	
400-283851-5	MW6B-ROX-100825	Total/NA	Water	8260D SIM	
400-283851-6	MW6A-ROX-100825	Total/NA	Water	8260D SIM	
MB 400-726973/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-726973/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 838796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-1	TB-ROX-100825-8260	Total/NA	Water	8260D	
400-283851-3	MW6D-ROX-100825	Total/NA	Water	8260D	
400-283851-4	MW6C-ROX-100825	Total/NA	Water	8260D	
400-283851-5	MW6B-ROX-100825	Total/NA	Water	8260D	
400-283851-6	MW6A-ROX-100825	Total/NA	Water	8260D	
MB 500-838796/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838796/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838796/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-3	MW6D-ROX-100825	Total/NA	Water	3511	
400-283851-4	MW6C-ROX-100825	Total/NA	Water	3511	
MB 400-726490/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726490/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726490/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 726532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-3	MW6D-ROX-100825	Total/NA	Water	8270E	726490
400-283851-4	MW6C-ROX-100825	Total/NA	Water	8270E	726490
MB 400-726490/1-A	Method Blank	Total/NA	Water	8270E	726490
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	8270E	726490

Analysis Batch: 726533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-3	MW6D-ROX-100825	Total/NA	Water	8270E	726490
400-283851-4	MW6C-ROX-100825	Total/NA	Water	8270E	726490
MB 400-726490/1-A	Method Blank	Total/NA	Water	8270E	726490
LCS 400-726490/2-A	Lab Control Sample	Total/NA	Water	8270E	726490
LCS 400-726490/3-A	Lab Control Sample	Total/NA	Water	8270E	726490
LCSD 400-726490/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726490

Prep Batch: 726807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-5	MW6B-ROX-100825	Total/NA	Water	3511	
400-283851-6	MW6A-ROX-100825	Total/NA	Water	3511	
MB 400-726807/1-A	Method Blank	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 726807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726807/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726807/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726807/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 726883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726807/2-A	Lab Control Sample	Total/NA	Water	8270E	726807

Analysis Batch: 726884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726807/2-A	Lab Control Sample	Total/NA	Water	8270E	726807

Analysis Batch: 727143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-5	MW6B-ROX-100825	Total/NA	Water	8270E	726807
400-283851-6	MW6A-ROX-100825	Total/NA	Water	8270E	726807
MB 400-726807/1-A	Method Blank	Total/NA	Water	8270E	726807

Analysis Batch: 727144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283851-5	MW6B-ROX-100825	Total/NA	Water	8270E	726807
400-283851-6	MW6A-ROX-100825	Total/NA	Water	8270E	726807
MB 400-726807/1-A	Method Blank	Total/NA	Water	8270E	726807
LCS 400-726807/49-A	Lab Control Sample	Total/NA	Water	8270E	726807
LCSD 400-726807/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	726807

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 07:49	1
Acrolein	ND		100	35	ug/L			10/18/25 07:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 07:49	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 07:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 07:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 07:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 07:49	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 07:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 07:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 07:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 07:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 07:49	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 07:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 07:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 07:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 07:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 07:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 07:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 07:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 07:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 07:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 07:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 07:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 07:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 07:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 07:49	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 07:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 07:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 07:49	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 07:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 07:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 07:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 07:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 07:49	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 07:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 07:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 07:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 07:49	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 07:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 07:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 07:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 07:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 07:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 07:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 07:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 07:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 07:49*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 07:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/18/25 07:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 07:49*	*1*

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	33.9		ug/L		68	40 - 143
Acrolein	2000	1770		ug/L		89	40 - 150
Acrylonitrile	500	535		ug/L		107	67 - 140
Benzene	50.0	47.6		ug/L		95	70 - 120
Bromobenzene	50.0	52.4		ug/L		105	70 - 122
Bromochloromethane	50.0	54.1		ug/L		108	65 - 122
Bromodichloromethane	50.0	48.5		ug/L		97	69 - 120
Bromoform	50.0	50.9		ug/L		102	56 - 132
Bromomethane	50.0	65.6		ug/L		131	40 - 152
2-Butanone (MEK)	50.0	32.2		ug/L		64	46 - 144
Carbon disulfide	50.0	40.2		ug/L		80	66 - 120
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	53.2		ug/L		106	70 - 120
Chloroethane	50.0	52.5		ug/L		105	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	49.5		ug/L		99	52 - 136
Chloroform	50.0	49.9		ug/L		100	70 - 120
Chloromethane	50.0	54.3		ug/L		109	56 - 152
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	64 - 127
Dibromochloromethane	50.0	53.2		ug/L		106	68 - 125
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 125
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	50.4		ug/L		101	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	44.6		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	43.7		ug/L		87	58 - 139
1,1-Dichloropropene	50.0	44.3		ug/L		89	70 - 121
Ethylbenzene	50.0	49.3		ug/L		99	70 - 123
Ethyl methacrylate	50.0	52.1		ug/L		104	63 - 129
Hexachlorobutadiene	50.0	52.5		ug/L		105	51 - 150
2-Hexanone	50.0	32.1		ug/L		64	54 - 146
Isopropylbenzene	50.0	46.5		ug/L		93	70 - 126
Methylene bromide	50.0	52.7		ug/L		105	70 - 120
Methylene Chloride	50.0	44.3		ug/L		89	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	33.1		ug/L		66	55 - 139
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 125
Naphthalene	50.0	52.4		ug/L		105	53 - 144
n-Butylbenzene	50.0	44.0		ug/L		88	68 - 125
N-Propylbenzene	50.0	46.2		ug/L		92	69 - 127
o-Chlorotoluene	50.0	46.6		ug/L		93	70 - 125
o-Xylene	50.0	46.4		ug/L		93	70 - 120
p-Chlorotoluene	50.0	47.6		ug/L		95	68 - 124
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	43.9		ug/L		88	70 - 123
Styrene	50.0	51.2		ug/L		102	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	48.4		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	51 - 145
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	57 - 137
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	56.6		ug/L		113	71 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	54.6		ug/L		109	50 - 133		
1,2,4-Trimethylbenzene			50.0	46.9		ug/L		94	70 - 123		
1,3,5-Trimethylbenzene			50.0	46.3		ug/L		93	70 - 123		
Vinyl acetate			50.0	62.8		ug/L		126	43 - 133		
Vinyl chloride			50.0	52.1		ug/L		104	64 - 126		
Xylenes, Total			100	92.0		ug/L		92	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			50.0	35.2		ug/L		70	40 - 143	4	20
Acrolein			2000	1810		ug/L		90	40 - 150	2	20
Acrylonitrile			500	540		ug/L		108	67 - 140	1	20
Benzene			50.0	49.0		ug/L		98	70 - 120	3	20
Bromobenzene			50.0	56.1		ug/L		112	70 - 122	7	20
Bromochloromethane			50.0	56.9		ug/L		114	65 - 122	5	20
Bromodichloromethane			50.0	51.2		ug/L		102	69 - 120	5	20
Bromoform			50.0	52.4		ug/L		105	56 - 132	3	20
Bromomethane			50.0	63.7		ug/L		127	40 - 152	3	20
2-Butanone (MEK)			50.0	33.1		ug/L		66	46 - 144	3	20
Carbon disulfide			50.0	41.2		ug/L		82	66 - 120	2	20
Carbon tetrachloride			50.0	45.6		ug/L		91	59 - 133	4	20
Chlorobenzene			50.0	55.8		ug/L		112	70 - 120	5	20
Chloroethane			50.0	52.8		ug/L		106	48 - 136	1	20
2-Chloroethyl vinyl ether			50.0	52.2		ug/L		104	52 - 136	5	20
Chloroform			50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane			50.0	55.4		ug/L		111	56 - 152	2	20
cis-1,2-Dichloroethene			50.0	51.0		ug/L		102	70 - 125	3	20
cis-1,3-Dichloropropene			50.0	53.8		ug/L		108	64 - 127	5	20
Dibromochloromethane			50.0	57.0		ug/L		114	68 - 125	7	20
1,2-Dichlorobenzene			50.0	56.0		ug/L		112	70 - 125	6	20
1,3-Dichlorobenzene			50.0	54.6		ug/L		109	70 - 125	7	20
1,4-Dichlorobenzene			50.0	55.1		ug/L		110	70 - 120	9	20
Dichlorodifluoromethane			50.0	48.6		ug/L		97	40 - 159	4	20
1,1-Dichloroethane			50.0	49.2		ug/L		98	70 - 125	1	20
1,2-Dichloroethane			50.0	51.7		ug/L		103	68 - 127	2	20
1,1-Dichloroethene			50.0	44.3		ug/L		89	67 - 122	1	20
1,2-Dichloropropane			50.0	52.9		ug/L		106	67 - 130	2	20
1,3-Dichloropropane			50.0	55.4		ug/L		111	62 - 136	4	20
2,2-Dichloropropane			50.0	44.5		ug/L		89	58 - 139	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	46.1		ug/L		92	70 - 121	4	20
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123	5	20
Ethyl methacrylate			50.0	53.3		ug/L		107	63 - 129	2	20
Hexachlorobutadiene			50.0	56.8		ug/L		114	51 - 150	8	20
2-Hexanone			50.0	33.9		ug/L		68	54 - 146	6	20
Isopropylbenzene			50.0	50.0		ug/L		100	70 - 126	7	20
Methylene bromide			50.0	53.4		ug/L		107	70 - 120	1	20
Methylene Chloride			50.0	46.0		ug/L		92	69 - 125	4	20
4-Methyl-2-pentanone (MIBK)			50.0	34.1		ug/L		68	55 - 139	3	20
Methyl tert-butyl ether			50.0	49.0		ug/L		98	55 - 123	2	20
m-Xylene & p-Xylene			50.0	47.8		ug/L		96	70 - 125	5	20
Naphthalene			50.0	54.4		ug/L		109	53 - 144	4	20
n-Butylbenzene			50.0	47.6		ug/L		95	68 - 125	8	20
N-Propylbenzene			50.0	49.4		ug/L		99	69 - 127	7	20
o-Chlorotoluene			50.0	49.8		ug/L		100	70 - 125	7	20
o-Xylene			50.0	48.6		ug/L		97	70 - 120	5	20
p-Chlorotoluene			50.0	50.7		ug/L		101	68 - 124	6	20
p-Isopropyltoluene			50.0	49.6		ug/L		99	70 - 125	6	20
sec-Butylbenzene			50.0	47.5		ug/L		95	70 - 123	8	20
Styrene			50.0	53.3		ug/L		107	70 - 120	4	20
tert-Butylbenzene			50.0	48.2		ug/L		96	70 - 121	7	20
1,1,1,2-Tetrachloroethane			50.0	56.5		ug/L		113	70 - 125	4	20
1,1,2,2-Tetrachloroethane			50.0	56.1		ug/L		112	62 - 140	4	20
Tetrachloroethene			50.0	49.9		ug/L		100	70 - 128	6	20
Toluene			50.0	50.2		ug/L		100	70 - 125	4	20
trans-1,2-Dichloroethene			50.0	48.6		ug/L		97	70 - 125	5	20
trans-1,3-Dichloropropene			50.0	54.2		ug/L		108	62 - 128	4	20
1,2,3-Trichlorobenzene			50.0	56.8		ug/L		114	51 - 145	1	20
1,2,4-Trichlorobenzene			50.0	54.3		ug/L		109	57 - 137	5	20
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	70 - 125	6	20
1,1,2-Trichloroethane			50.0	59.3		ug/L		119	71 - 130	5	20
Trichloroethene			50.0	51.6		ug/L		103	70 - 125	5	20
Trichlorofluoromethane			50.0	46.2		ug/L		92	55 - 128	5	20
1,2,3-Trichloropropane			50.0	58.1		ug/L		116	50 - 133	6	20
1,2,4-Trimethylbenzene			50.0	50.3		ug/L		101	70 - 123	7	20
1,3,5-Trimethylbenzene			50.0	49.4		ug/L		99	70 - 123	6	20
Vinyl acetate			50.0	64.1		ug/L		128	43 - 133	2	20
Vinyl chloride			50.0	52.9		ug/L		106	64 - 126	2	20
Xylenes, Total			100	96.4		ug/L		96	70 - 125	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-726973/5
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 07:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 07:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/16/25 07:37*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/16/25 07:37*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 07:37*	*1*

Lab Sample ID: LCS 400-726973/1003
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.411		ug/L		82	50 - 150
1,2-Dibromoethane	0.500	0.508		ug/L		102	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*110*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/11/25 14:31	10/13/25 14:37	1
Aniline	ND		10	0.74	ug/L		10/11/25 14:31	10/13/25 14:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzenethiol	ND		10	0.60	ug/L		10/11/25 14:31	10/13/25 14:37	1
Anthracene	ND		0.20	0.073	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzoic acid	ND		100	80	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzyl alcohol	ND		35	30	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/11/25 14:31	10/13/25 14:37	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/11/25 14:31	10/13/25 14:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/11/25 14:31	10/13/25 14:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/11/25 14:31	10/13/25 14:37	1
Chrysene	ND		0.20	0.039	ug/L		10/11/25 14:31	10/13/25 14:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/11/25 14:31	10/13/25 14:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10	0.58	ug/L		10/11/25 14:31	10/13/25 14:37	1
Fluoranthene	ND		0.20	0.032	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/11/25 14:31	10/13/25 14:37	1
Fluorene	ND		0.20	0.087	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Chlorophenol	ND		10	0.84	ug/L		10/11/25 14:31	10/13/25 14:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/11/25 14:31	10/13/25 14:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dibenzofuran	ND		10	0.64	ug/L		10/11/25 14:31	10/13/25 14:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/11/25 14:31	10/13/25 14:37	1
Phenanthrene	ND		0.20	0.044	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pyrene	ND		0.20	0.095	ug/L		10/11/25 14:31	10/13/25 14:37	1
Diethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/11/25 14:31	10/13/25 14:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/11/25 14:31	10/13/25 14:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/11/25 14:31	10/13/25 14:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
1,4-Dioxane	ND		10	4.3	ug/L		10/11/25 14:31	10/13/25 14:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/11/25 14:31	10/13/25 14:37	1
Hexachloroethane	ND		10	0.53	ug/L		10/11/25 14:31	10/13/25 14:37	1
Indene	ND		10	0.44	ug/L		10/11/25 14:31	10/13/25 14:37	1
Isophorone	ND		10	0.80	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Methylphenol	ND		10	0.76	ug/L		10/11/25 14:31	10/13/25 14:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/11/25 14:31	10/13/25 14:37	1
3-Nitroaniline	ND		10	0.95	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Nitroaniline	ND		10	3.5	ug/L		10/11/25 14:31	10/13/25 14:37	1
Nitrobenzene	ND		10	0.60	ug/L		10/11/25 14:31	10/13/25 14:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/11/25 14:31	10/13/25 14:37	1
4-Nitrophenol	ND		10	2.7	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/11/25 14:31	10/13/25 14:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pentachlorophenol	ND		10	2.8	ug/L		10/11/25 14:31	10/13/25 14:37	1
Phenol	ND		10	0.68	ug/L		10/11/25 14:31	10/13/25 14:37	1
Pyridine	ND		10	3.0	ug/L		10/11/25 14:31	10/13/25 14:37	1
Quinoline	ND		10	0.50	ug/L		10/11/25 14:31	10/13/25 14:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/11/25 14:31	10/13/25 14:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726490/1-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/11/25 14:31	10/13/25 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
Terphenyl-d14	*92*		*43 - 147*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
2-Fluorophenol	*94*		*10 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
Phenol-d5	*90*		*10 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
Terphenyl-d14	*92*		*28 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/11/25 14:31*	*10/13/25 14:37*	*1*

Lab Sample ID: LCS 400-726490/2-A
Matrix: Water
Analysis Batch: 726532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.8		ug/L		74	29 - 150
Aniline	33.3	28.4		ug/L		85	10 - 134
Acenaphthylene	33.3	24.1		ug/L		72	30 - 150
Anthracene	33.3	28.2		ug/L		85	31 - 150
Benzoic acid	152	230		ug/L		151	10 - 180
Benzo[a]anthracene	33.3	28.9		ug/L		87	36 - 150
Benzyl alcohol	33.3	39.8		ug/L		119	10 - 150
Benzo[a]pyrene	33.3	29.6		ug/L		89	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.7		ug/L		83	34 - 120
Benzo[b]fluoranthene	33.3	31.1		ug/L		93	32 - 150
Bis(2-chloroethyl)ether	33.3	25.6		ug/L		77	32 - 114
Benzo[g,h,i]perylene	33.3	29.4		ug/L		88	28 - 150
bis (2-chloroisopropyl) ether	33.3	25.5		ug/L		76	32 - 115
Benzo[k]fluoranthene	33.3	29.1		ug/L		87	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	28.0		ug/L		84	24 - 133
4-Bromophenyl phenyl ether	33.3	27.2		ug/L		82	24 - 120
Chrysene	33.3	29.3		ug/L		88	34 - 150
Butyl benzyl phthalate	33.3	23.0		ug/L		69	24 - 140
Dibenz(a,h)anthracene	33.3	29.1		ug/L		87	29 - 150
4-Chloroaniline	33.3	26.8		ug/L		80	10 - 150
Fluoranthene	33.3	28.4		ug/L		85	30 - 150
4-Chloro-3-methylphenol	33.3	29.4		ug/L		88	10 - 137
Fluorene	33.3	25.7		ug/L		77	30 - 150
2-Chloronaphthalene	33.3	27.0		ug/L		81	10 - 150
2-Chlorophenol	33.3	28.2		ug/L		85	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	27.0		ug/L		81	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	25.7		ug/L		77	31 - 110
2-Methylnaphthalene	33.3	22.9		ug/L		69	24 - 150
Dibenz[a,h]acridine	33.3	30.5		ug/L		92	40 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726490/2-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	25.5		ug/L		76	35 - 110
3,3'-Dichlorobenzidine	66.7	32.0		ug/L		48	10 - 150
Phenanthrene	33.3	27.3		ug/L		82	32 - 150
2,4-Dichlorophenol	33.3	27.0		ug/L		81	30 - 125
Pyrene	33.3	29.4		ug/L		88	30 - 150
Diethyl phthalate	33.3	15.5		ug/L		46	31 - 118
2,4-Dimethylphenol	33.3	25.1		ug/L		75	10 - 142
Dimethyl phthalate	33.3	17.1		ug/L		51	24 - 125
Di-n-butyl phthalate	33.3	21.0		ug/L		63	30 - 127
4,6-Dinitro-ortho-cresol	66.7	61.5		ug/L		92	10 - 150
2,4-Dinitrophenol	66.7	61.7		ug/L		93	10 - 150
2,4-Dinitrotoluene	33.3	26.2		ug/L		79	30 - 129
2,6-Dinitrotoluene	33.3	29.7		ug/L		89	34 - 132
Di-n-octyl phthalate	33.3	28.7		ug/L		86	28 - 142
1,4-Dioxane	33.3	34.4		ug/L		103	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	27.3		ug/L		82	29 - 121
Hexachlorobenzene	33.3	26.5		ug/L		80	29 - 113
Hexachlorocyclopentadiene	33.3	18.0	J	ug/L		54	10 - 150
Hexachloroethane	33.3	19.6		ug/L		59	10 - 112
Indene	33.3	19.3		ug/L		58	10 - 113
Isophorone	33.3	30.2		ug/L		91	29 - 125
2-Methylphenol	33.3	29.2		ug/L		88	11 - 121
3 & 4 Methylphenol	33.3	33.8		ug/L		102	10 - 150
2-Nitroaniline	33.3	28.1		ug/L		84	31 - 141
3-Nitroaniline	33.3	23.4		ug/L		70	33 - 136
4-Nitroaniline	33.3	25.2		ug/L		76	37 - 139
Nitrobenzene	33.3	28.2		ug/L		84	29 - 129
2-Nitrophenol	33.3	27.4		ug/L		82	31 - 142
4-Nitrophenol	66.7	78.8		ug/L		118	10 - 150
N-Nitrosodimethylamine	33.3	36.9		ug/L		111	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.4		ug/L		79	53 - 134
N-Nitrosodiphenylamine	33.1	27.5		ug/L		83	62 - 132
Pentachlorophenol	66.7	63.8		ug/L		96	14 - 150
Phenol	33.3	38.4		ug/L		115	10 - 150
Pyridine	66.7	60.9		ug/L		91	10 - 150
Quinoline	33.3	27.7		ug/L		83	50 - 150
2,4,5-Trichlorophenol	33.3	28.0		ug/L		84	27 - 136
2,4,6-Trichlorophenol	33.3	27.7		ug/L		83	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*91*		*43 - 147*
2-Fluorobiphenyl	*73*		*25 - 139*
2-Fluorophenol	*97*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*103*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726490/2-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	91		28 - 150
2,4,6-Tribromophenol	89		10 - 150

Lab Sample ID: LCS 400-726490/3-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726490

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	18.8		ug/L		57	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	77		25 - 139
2-Fluorophenol	93		10 - 150
Nitrobenzene-d5	86		22 - 150
Phenol-d5	92		10 - 150
Terphenyl-d14	102		28 - 150
2,4,6-Tribromophenol	88		10 - 150

Lab Sample ID: LCSD 400-726490/4-A
Matrix: Water
Analysis Batch: 726533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726490

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	18.6		ug/L		56	10 - 150	1	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	70		25 - 139
2-Fluorophenol	89		10 - 150
Nitrobenzene-d5	81		22 - 150
Phenol-d5	88		10 - 150
Terphenyl-d14	96		28 - 150
2,4,6-Tribromophenol	80		10 - 150

Lab Sample ID: MB 400-726807/1-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/14/25 16:17	10/17/25 13:31	1
Aniline	ND		10	0.74	ug/L		10/14/25 16:17	10/17/25 13:31	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzenethiol	ND		10	0.60	ug/L		10/14/25 16:17	10/17/25 13:31	1
Anthracene	ND		0.20	0.073	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzoic acid	ND		100	80	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/14/25 16:17	10/17/25 13:31	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 16:17	10/17/25 13:31	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726807/1-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/14/25 16:17	10/17/25 13:31	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/14/25 16:17	10/17/25 13:31	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/14/25 16:17	10/17/25 13:31	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/14/25 16:17	10/17/25 13:31	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 16:17	10/17/25 13:31	1
Chrysene	ND		0.20	0.039	ug/L		10/14/25 16:17	10/17/25 13:31	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Chloroaniline	ND		10	0.58	ug/L		10/14/25 16:17	10/17/25 13:31	1
Fluoranthene	ND		0.20	0.032	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/14/25 16:17	10/17/25 13:31	1
Fluorene	ND		0.20	0.087	ug/L		10/14/25 16:17	10/17/25 13:31	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/14/25 16:17	10/17/25 13:31	1
2-Chlorophenol	ND		10	0.84	ug/L		10/14/25 16:17	10/17/25 13:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/14/25 16:17	10/17/25 13:31	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 16:17	10/17/25 13:31	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/14/25 16:17	10/17/25 13:31	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/14/25 16:17	10/17/25 13:31	1
Dibenzofuran	ND		10	0.64	ug/L		10/14/25 16:17	10/17/25 13:31	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/14/25 16:17	10/17/25 13:31	1
Phenanthrene	ND		0.20	0.044	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/14/25 16:17	10/17/25 13:31	1
Pyrene	ND		0.20	0.095	ug/L		10/14/25 16:17	10/17/25 13:31	1
Diethyl phthalate	ND		10	4.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 16:17	10/17/25 13:31	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/14/25 16:17	10/17/25 13:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/14/25 16:17	10/17/25 13:31	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
1,4-Dioxane	ND		10	4.3	ug/L		10/14/25 16:17	10/17/25 13:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/14/25 16:17	10/17/25 13:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 16:17	10/17/25 13:31	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 16:17	10/17/25 13:31	1
Hexachloroethane	ND		10	0.53	ug/L		10/14/25 16:17	10/17/25 13:31	1
Indene	ND		10	0.44	ug/L		10/14/25 16:17	10/17/25 13:31	1
Isophorone	ND		10	0.80	ug/L		10/14/25 16:17	10/17/25 13:31	1
2-Methylphenol	ND		10	0.76	ug/L		10/14/25 16:17	10/17/25 13:31	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/14/25 16:17	10/17/25 13:31	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 16:17	10/17/25 13:31	1
3-Nitroaniline	ND		10	0.95	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 16:17	10/17/25 13:31	1
Nitrobenzene	ND		10	0.60	ug/L		10/14/25 16:17	10/17/25 13:31	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726807/1-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 16:17	10/17/25 13:31	1
4-Nitrophenol	ND		10	2.7	ug/L		10/14/25 16:17	10/17/25 13:31	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/14/25 16:17	10/17/25 13:31	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 16:17	10/17/25 13:31	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 16:17	10/17/25 13:31	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 16:17	10/17/25 13:31	1
Phenol	ND		10	0.68	ug/L		10/14/25 16:17	10/17/25 13:31	1
Pyridine	ND		10	3.0	ug/L		10/14/25 16:17	10/17/25 13:31	1
Quinoline	ND		10	0.50	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/14/25 16:17	10/17/25 13:31	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 16:17	10/17/25 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
Nitrobenzene-d5	*73*		*50 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
Terphenyl-d14	*84*		*43 - 147*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
Nitrobenzene-d5	*73*		*22 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
Phenol-d5	*68*		*10 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
Terphenyl-d14	*84*		*28 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*10/14/25 16:17*	*10/17/25 13:31*	*1*

Lab Sample ID: LCS 400-726807/2-A
Matrix: Water
Analysis Batch: 726884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	27.9		ug/L		84	10 - 134
Benzoic acid	152	171	E	ug/L		113	10 - 180
Benzyl alcohol	33.3	ND		ug/L		84	10 - 150
Bis(2-chloroethoxy)methane	33.3	23.3		ug/L		70	34 - 120
Bis(2-chloroethyl)ether	33.3	22.0		ug/L		66	32 - 114
bis (2-chloroisopropyl) ether	33.3	24.7		ug/L		74	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	24.6		ug/L		74	24 - 133
4-Bromophenyl phenyl ether	33.3	27.3		ug/L		82	24 - 120
Butyl benzyl phthalate	33.3	18.4		ug/L		55	24 - 140
4-Chloroaniline	33.3	22.9		ug/L		69	10 - 150
4-Chloro-3-methylphenol	33.3	23.7		ug/L		71	10 - 137
2-Chloronaphthalene	33.3	22.7		ug/L		68	10 - 150
2-Chlorophenol	33.3	22.5		ug/L		68	28 - 127
4-Chlorophenyl phenyl ether	33.3	25.2		ug/L		76	31 - 110
Dibenz[a,h]acridine	33.3	26.6		ug/L		80	40 - 150
Dibenzofuran	33.3	24.2		ug/L		73	35 - 110
3,3'-Dichlorobenzidine	66.7	25.3		ug/L		38	10 - 150
2,4-Dichlorophenol	33.3	23.7		ug/L		71	30 - 125
Diethyl phthalate	33.3	10.7		ug/L		32	31 - 118
2,4-Dimethylphenol	33.3	20.6		ug/L		62	10 - 142

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726807/2-A
Matrix: Water
Analysis Batch: 726884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	33.3	13.2		ug/L		40	24 - 125
Di-n-butyl phthalate	33.3	14.4		ug/L		43	30 - 127
4,6-Dinitro-ortho-cresol	66.7	112	*+	ug/L		169	10 - 150
2,4-Dinitrophenol	66.7	105	*+	ug/L		158	10 - 150
2,4-Dinitrotoluene	33.3	41.2		ug/L		123	30 - 129
2,6-Dinitrotoluene	33.3	44.9	*+	ug/L		135	34 - 132
Di-n-octyl phthalate	33.3	24.9		ug/L		75	28 - 142
1,4-Dioxane	33.3	28.1		ug/L		84	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	22.6		ug/L		68	29 - 121
Hexachlorobenzene	33.3	29.3		ug/L		88	29 - 113
Hexachlorocyclopentadiene	33.3	21.5		ug/L		64	10 - 150
Hexachloroethane	33.3	26.6		ug/L		80	10 - 112
Indene	33.3	21.9		ug/L		66	10 - 113
Isophorone	33.3	25.5		ug/L		76	29 - 125
2-Methylphenol	33.3	25.0		ug/L		75	11 - 121
3 & 4 Methylphenol	33.3	28.4		ug/L		85	10 - 150
2-Nitroaniline	33.3	39.6		ug/L		119	31 - 141
3-Nitroaniline	33.3	34.9		ug/L		105	33 - 136
4-Nitroaniline	33.3	34.2		ug/L		103	37 - 139
Nitrobenzene	33.3	35.4		ug/L		106	29 - 129
2-Nitrophenol	33.3	39.6		ug/L		119	31 - 142
4-Nitrophenol	66.7	94.3		ug/L		141	10 - 150
N-Nitrosodimethylamine	33.3	29.2		ug/L		88	10 - 136
N-Nitrosodi-n-propylamine	33.3	21.2		ug/L		64	50 - 134
N-Nitrosodiphenylamine	33.1	25.4		ug/L		77	50 - 132
Pentachlorophenol	66.7	74.2		ug/L		111	14 - 150
Phenol	33.3	22.8		ug/L		68	10 - 150
Pyridine	66.7	68.9		ug/L		103	10 - 150
Quinoline	33.3	25.8		ug/L		77	40 - 150
2,4,5-Trichlorophenol	33.3	20.4		ug/L		61	27 - 136
2,4,6-Trichlorophenol	33.3	21.3		ug/L		64	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*15 - 150*
Nitrobenzene-d5	*119*		*50 - 150*
Terphenyl-d14	*80*		*43 - 147*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*81*		*10 - 150*
Nitrobenzene-d5	*119*		*22 - 150*
Phenol-d5	*76*		*10 - 150*
Terphenyl-d14	*80*		*28 - 150*
2,4,6-Tribromophenol	*101*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726807/49-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726807

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	19.8		ug/L		60	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*25 - 139*
2-Fluorophenol	*76*		*10 - 150*
Nitrobenzene-d5	*73*		*22 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*88*		*28 - 150*
2,4,6-Tribromophenol	*78*		*10 - 150*

Lab Sample ID: LCSD 400-726807/50-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	19.1		ug/L		57	10 - 150	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*25 - 139*
2-Fluorophenol	*83*		*10 - 150*
Nitrobenzene-d5	*74*		*22 - 150*
Phenol-d5	*85*		*10 - 150*
Terphenyl-d14	*88*		*28 - 150*
2,4,6-Tribromophenol	*78*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/8/2025
PO #	**GSAP Project ID**	PAGE. __1____ of ____1___
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N. Broadway, 20th Floor; ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S MCLEAN, T JENKINS

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuIS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100825-8260	10/8/2025	0000	Water	2					2	X			
	TB-ROX-100825-8260SIM	10/8/2025	0000	Water	2					2		X		
	MW6D-ROX-100825	10/8/2025	1000	Water	6			4		10	X	X	X	X
	MW6C-ROX-100825	10/8/2025	1120	Water	6			4		10	X	X	X	X
	MW6B-ROX-100825	10/8/2025	1250	Water	6			4		10	X	X	X	X
	MW6A-ROX-100825	10/8/2025	1340	Water	6			4		10	X	X	X	X

400-283851 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5443	10/8/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) BP	Date: 10/9/25	Time: 935

Version: 21July25

CUSTODY SEALS: 2698075/ 2698074

0.0C IR10

10/21/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474 1001 Fax 850 478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-386898 1
Client Contact	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400-283851 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/20/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534-5200(Tel) 708-534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			
N/A	N/A			

400-283851 COC

Analysis Requested

Preservation Codes:

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX-100825-8260 (400 283851 1)	10/8/25	Central	G	Water			X	2	
MW6D-ROX-100825 (400-283851-3)	10/8/25	10 00 Central	G	Water			X	3	
MW6C ROX 100825 (400-283851-4)	10/8/25	11.20 Central	G	Water			X	3	
MW6B ROX-100825 (400 283851 5)	10/8/25	12.50 Central	G	Water			X	3	
MW6A ROX-100825 (400 283851 6)	10/8/25	13 40 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/9/25 1200	EG		10/10/25 0925	EET
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		2.8 -2.0

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283851-1

Login Number: 283851
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283851-1

Login Number: 283851
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/10/25 02:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283851-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283943-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/2/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/15/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW23-ROX-100925 MS/MSD	VOCs	Acetone	59/74	**23**	40-143/20
MW23-ROX-100925 MS/MSD	VOCs	Bromomethane	91/114	**22**	40-152/20
MW23-ROX-100925 MS/MSD	VOCs	Chloroethane	87/108	**22**	48-136/20
MW23-ROX-100925 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	52-136/20
MW23-ROX-100925 MS/MSD	VOCs	Chloromethane	73/90	**21**	56-152/20
MW23-ROX-100925 MS/MSD	VOCs	Dichlorodifluoromethane	86/106	**21**	40-159/20
MW23-ROX-100925 MS/MSD	VOCs	Vinyl chloride	79/98	**21**	64-126/20

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
2-Chloroethyl vinyl ether in sample MW23-ROX-100925 was qualified due to LCS recovery outside criteria ; no further qualification required.					
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 500-838978/9	VOCs	2-Chloroethyl vinyl ether	**9**	NC	52-136

Professional judgment was used to qualify, however not reject, data associated with 2-chloroethyl vinyl ether below evaluation criteria; this has been identified as a poor-performing analyte under Method 8260. Analytical data that required qualification based on LCS/LCSD data are referenced below.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-100925	VOCs	2-Chloroethyl vinyl ether	UJ

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.		X		

Method 8260D

Blank ID	Parameter	Analyte	Concentration/Amount
TB-ROX-100925-8260-BP	VOCs	Methylene Chloride	6.1 µg/L
MW23-ROX-100925-EB	VOCs	Methylene Chloride	5.8 µg/L

Methylene chloride in sample MW23-ROX-100925 was qualified due to method blank contamination; no further qualification required.

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Method 8260D

Blank ID	Parameter	Analyte	Concentration/Amount
MB 500-838978/8	VOCs	Methylene Chloride	5.79 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. Equipment blanks and trip blanks are quality control samples and do not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW23-ROX-100925	VOCs	Methylene Chloride	-	U

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) and continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. 2-Chloroethyl vinyl ether in sample MW23-ROX-100925 was previously qualified due to LCS recoveries outside criteria; no further qualification required. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-100925	VOCs	Acrolein	UJ
MW23-ROX-100925	VOCs	Vinyl acetate	UJ
MW23-ROX-100925	VOCs	2-Butanone (MEK)	UJ
MW23-ROX-100925	VOCs	4-Methyl-2-pentanone (MIBK)	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for dimethyl phthalate was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-100925	SVOCs	Dimethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/6/2025 10:56:00 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283943-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job Narrative
400-283943-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Revision
Report revised to correct Sample Receipt Checklist. Supersedes report dated 10-23-2025.

Receipt
The samples were received on 10/10/2025 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838978 was above the method criteria for the following analyte(s): Bromomethane, Dichlorodifluoromethane, Isopropylbenzene, n-Butylbenzene, N-Propylbenzene and sec-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Methylene chloride was detected in the following items: (MB 500-838978/8). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260D: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 500-838978: 2-Chloroethyl vinyl ether. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-838978 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits. Additionally, preserved vials were provided. 2 Chloroethyl vinyl ether degrades in acidic environment.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered outside acceptance criteria, low biased, for Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered above the upper control limit for Benzoic acid, Benzyl alcohol and Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283943-1	TB-ROX-100925-8260-BP	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283943-2	TB-ROX-100925-8260SIM-BP	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283943-3	MW23-ROX-100925-EB	Water	10/09/25 13:10	10/10/25 09:18	Illinois
400-283943-4	MW23-ROX-100925	Water	10/09/25 14:15	10/10/25 09:18	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Client Sample ID: TB-ROX-100925-8260-BP — Lab Sample ID: 400-283943-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.1	B	5.0	3.6	ug/L	1		8260D	Total/NA

Client Sample ID: TB-ROX-100925-8260SIM-BP — Lab Sample ID: 400-283943-2

No Detections.

Client Sample ID: MW23-ROX-100925-EB — Lab Sample ID: 400-283943-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.8	B	5.0	3.6	ug/L	1		8260D	Total/NA

Client Sample ID: MW23-ROX-100925 — Lab Sample ID: 400-283943-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.0 ~~4.8~~	J B U	5.0	5.0 ~~3.6~~	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.95	J	1.0	0.43	ug/L	1		8260D	Total/NA
Trichloroethene	0.68		0.50	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Client Sample ID: TB-ROX-100925-8260-BP
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 14:16	1
Acrolein	ND		100	35	ug/L			10/20/25 14:16	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 14:16	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 14:16	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 14:16	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 14:16	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 14:16	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 14:16	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 14:16	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 14:16	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 14:16	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 14:16	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 14:16	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 14:16	1
2-Chloroethyl vinyl ether	ND	*-	2.0	1.6	ug/L			10/20/25 14:16	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 14:16	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 14:16	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 14:16	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 14:16	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/20/25 14:16	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 14:16	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 14:16	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 14:16	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 14:16	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 14:16	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 14:16	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 14:16	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 14:16	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 14:16	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 14:16	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 14:16	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 14:16	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 14:16	1
Methylene Chloride	**6.1**	**B**	5.0	3.6	ug/L			10/20/25 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 14:16	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 14:16	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 14:16	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 14:16	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 14:16	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 14:16	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 14:16	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 14:16	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 14:16	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 14:16	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Client Sample ID: TB-ROX-100925-8260-BP
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 14:16	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 14:16	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 14:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 14:16	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 14:16	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 14:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 14:16	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 14:16	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 14:16	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 14:16	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 14:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 14:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 14:16	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 14:16	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/20/25 14:16	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/20/25 14:16*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/20/25 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*10/20/25 14:16*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/20/25 14:16*	*1*

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260SIM-BP
Lab Sample ID: 400-283943-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 16:27	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/20/25 16:27*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/20/25 16:27*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/20/25 16:27*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Client Sample ID: MW23-ROX-100925-EB

Date Collected: 10/09/25 13:10
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 16:50	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/20/25 16:50*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/20/25 16:50*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/20/25 16:50*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 14:38	1
Acrolein	ND		100	35	ug/L			10/20/25 14:38	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 14:38	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 14:38	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 14:38	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 14:38	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 14:38	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 14:38	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 14:38	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 14:38	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 14:38	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 14:38	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 14:38	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 14:38	1
2-Chloroethyl vinyl ether	ND	*-	2.0	1.6	ug/L			10/20/25 14:38	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 14:38	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 14:38	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 14:38	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 14:38	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 14:38	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 14:38	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 14:38	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 14:38	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/20/25 14:38	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 14:38	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 14:38	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 14:38	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 14:38	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 14:38	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 14:38	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 14:38	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 14:38	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 14:38	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 14:38	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 14:38	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 14:38	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 14:38	1
Methylene Chloride	**5.8**	**B**	5.0	3.6	ug/L			10/20/25 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 14:38	1

Client Sample ID: MW23-ROX-100925-EB
Date Collected: 10/09/25 13:10
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 14:38	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 14:38	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 14:38	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 14:38	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 14:38	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 14:38	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 14:38	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 14:38	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 14:38	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 14:38	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 14:38	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 14:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 14:38	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 14:38	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 14:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 14:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 14:38	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 14:38	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 14:38	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 14:38	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 14:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 14:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 14:38	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 14:38	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/20/25 14:38	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/20/25 14:38*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/20/25 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*10/20/25 14:38*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/20/25 14:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/12/25 14:01	10/17/25 19:50	1
Aniline	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 19:50	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzenethiol	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 19:50	1
Anthracene	ND		0.20	0.073	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzoic acid	ND		100	80	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 19:50	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 19:50	1

Client Sample ID: MW23-ROX-100925-EB
Date Collected: 10/09/25 13:10
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/12/25 14:01	10/17/25 19:50	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 19:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 19:50	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 14:01	10/17/25 19:50	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 19:50	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Chloroaniline	ND		10	0.58	ug/L		10/12/25 14:01	10/17/25 19:50	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 19:50	1
Fluorene	ND		0.20	0.087	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Chlorophenol	ND		10	0.84	ug/L		10/12/25 14:01	10/17/25 19:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 19:50	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:01	10/17/25 19:50	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/12/25 14:01	10/17/25 19:50	1
Dibenzofuran	ND		10	0.64	ug/L		10/12/25 14:01	10/17/25 19:50	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 19:50	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/12/25 14:01	10/17/25 19:50	1
Pyrene	ND		0.20	0.095	ug/L		10/12/25 14:01	10/17/25 19:50	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 19:50	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/12/25 14:01	10/17/25 19:50	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 14:01	10/17/25 19:50	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 14:01	10/17/25 19:50	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 19:50	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 14:01	10/17/25 19:50	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 19:50	1
Hexachloroethane	ND		10	0.53	ug/L		10/12/25 14:01	10/17/25 19:50	1
Indene	ND		10	0.44	ug/L		10/12/25 14:01	10/17/25 19:50	1
Isophorone	ND		10	0.80	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Methylphenol	ND		10	0.76	ug/L		10/12/25 14:01	10/17/25 19:50	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 14:01	10/17/25 19:50	1
3-Nitroaniline	ND		10	0.95	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 14:01	10/17/25 19:50	1
Nitrobenzene	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 19:50	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 14:01	10/17/25 19:50	1
4-Nitrophenol	ND		10	2.7	ug/L		10/12/25 14:01	10/17/25 19:50	1

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW23-ROX-100925-EB
Lab Sample ID: 400-283943-3
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/12/25 14:01	10/17/25 19:50	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 14:01	10/17/25 19:50	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 14:01	10/17/25 19:50	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 19:50	1
Phenol	ND		10	0.68	ug/L		10/12/25 14:01	10/17/25 19:50	1
Pyridine	ND		10	3.0	ug/L		10/12/25 14:01	10/17/25 19:50	1
Quinoline	ND		10	0.50	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/12/25 14:01	10/17/25 19:50	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 14:01	10/17/25 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*15 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
Terphenyl-d14	*84*		*43 - 147*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
2-Fluorobiphenyl	*68*		*25 - 139*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
2-Fluorophenol	*81*		*10 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
Nitrobenzene-d5	*75*		*22 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
Phenol-d5	*73*		*10 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
Terphenyl-d14	*84*		*28 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*
2,4,6-Tribromophenol	*78*		*10 - 150*	*10/12/25 14:01*	*10/17/25 19:50*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Client Sample ID: MW23-ROX-100925
Date Collected: 10/09/25 14:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 17:14	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/20/25 17:14*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/20/25 17:14*	*1*
4-Bromofluorobenzene	*84*		*50 - 150*		*10/20/25 17:14*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F2	10	4.3	ug/L			10/20/25 20:17	1
Acrolein	ND		100	35	ug/L			10/20/25 20:17	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 20:17	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 20:17	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 20:17	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 20:17	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 20:17	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 20:17	1
Bromomethane	ND	F2	3.0	1.8	ug/L			10/20/25 20:17	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/20/25 20:17	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 20:17	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 20:17	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 20:17	1
Chloroethane	ND	F2	5.0	0.47	ug/L			10/20/25 20:17	1
2-Chloroethyl vinyl ether	ND	*- F1 UJ	2.0	1.6	ug/L			10/20/25 20:17	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 20:17	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 20:17	1
Chloromethane	ND	F2	5.0	0.79	ug/L			10/20/25 20:17	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 20:17	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 20:17	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 20:17	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 20:17	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 20:17	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 20:17	1
Dichlorodifluoromethane	ND	F2	3.0	1.8	ug/L			10/20/25 20:17	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 20:17	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 20:17	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 20:17	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 20:17	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 20:17	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 20:17	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 20:17	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 20:17	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 20:17	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 20:17	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 20:17	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 20:17	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 20:17	1
Methylene Chloride	5.0 ~~4.8~~ J B	U	5.0	5.0 ~~3.6~~	ug/L			10/20/25 20:17	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/20/25 20:17	1

Client Sample ID: MW23-ROX-100925
Date Collected: 10/09/25 14:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.95**	**J**	1.0	0.43	ug/L			10/20/25 20:17	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 20:17	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 20:17	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 20:17	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 20:17	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 20:17	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 20:17	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 20:17	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 20:17	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 20:17	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 20:17	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 20:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 20:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 20:17	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 20:17	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 20:17	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 20:17	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 20:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 20:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 20:17	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 20:17	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 20:17	1
Trichloroethene	**0.68**		0.50	0.15	ug/L			10/20/25 20:17	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 20:17	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 20:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 20:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 20:17	1
Vinyl acetate	ND	UJ	2.0	0.78	ug/L			10/20/25 20:17	1
Vinyl chloride	ND	F2	1.0	0.47	ug/L			10/20/25 20:17	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/20/25 20:17*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/20/25 20:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*10/20/25 20:17*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/20/25 20:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/12/25 14:01	10/17/25 20:21	1
Aniline	ND		9.9	0.73	ug/L		10/12/25 14:01	10/17/25 20:21	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzenethiol	ND		9.9	0.59	ug/L		10/12/25 14:01	10/17/25 20:21	1
Anthracene	ND		0.20	0.072	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzoic acid	ND		99	79	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 20:21	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 20:21	1

Client Sample ID: MW23-ROX-100925
Date Collected: 10/09/25 14:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283943-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		10/12/25 14:01	10/17/25 20:21	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/12/25 14:01	10/17/25 20:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 20:21	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/12/25 14:01	10/17/25 20:21	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 20:21	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Chloroaniline	ND		9.9	0.57	ug/L		10/12/25 14:01	10/17/25 20:21	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		10/12/25 14:01	10/17/25 20:21	1
Fluorene	ND		0.20	0.086	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/12/25 14:01	10/17/25 20:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 20:21	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		10/12/25 14:01	10/17/25 20:21	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		10/12/25 14:01	10/17/25 20:21	1
Dibenzofuran	ND		9.9	0.63	ug/L		10/12/25 14:01	10/17/25 20:21	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 20:21	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		10/12/25 14:01	10/17/25 20:21	1
Pyrene	ND		0.20	0.094	ug/L		10/12/25 14:01	10/17/25 20:21	1
Diethyl phthalate	ND		9.9	4.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		10/12/25 14:01	10/17/25 20:21	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/12/25 14:01	10/17/25 20:21	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/12/25 14:01	10/17/25 20:21	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/12/25 14:01	10/17/25 20:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/12/25 14:01	10/17/25 20:21	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/12/25 14:01	10/17/25 20:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 20:21	1
Hexachloroethane	ND		9.9	0.52	ug/L		10/12/25 14:01	10/17/25 20:21	1
Indene	ND		9.9	0.44	ug/L		10/12/25 14:01	10/17/25 20:21	1
Isophorone	ND		9.9	0.79	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/12/25 14:01	10/17/25 20:21	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/12/25 14:01	10/17/25 20:21	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/12/25 14:01	10/17/25 20:21	1
Nitrobenzene	ND		9.9	0.59	ug/L		10/12/25 14:01	10/17/25 20:21	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/12/25 14:01	10/17/25 20:21	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/12/25 14:01	10/17/25 20:21	1

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW23-ROX-100925
Lab Sample ID: 400-283943-4
Date Collected: 10/09/25 14:15
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/12/25 14:01	10/17/25 20:21	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/12/25 14:01	10/17/25 20:21	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/12/25 14:01	10/17/25 20:21	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/12/25 14:01	10/17/25 20:21	1
Phenol	ND		9.9	0.67	ug/L		10/12/25 14:01	10/17/25 20:21	1
Pyridine	ND		9.9	3.0	ug/L		10/12/25 14:01	10/17/25 20:21	1
Quinoline	ND		9.9	0.50	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		10/12/25 14:01	10/17/25 20:21	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/12/25 14:01	10/17/25 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*15 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
Nitrobenzene-d5	*76*		*50 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
2-Fluorobiphenyl	*68*		*25 - 139*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
2-Fluorophenol	*81*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
Nitrobenzene-d5	*76*		*22 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
Phenol-d5	*73*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
Terphenyl-d14	*60*		*28 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:21*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283943-1	TB-ROX-100925-8260-BP	105	98	89	97
400-283943-3	MW23-ROX-100925-EB	106	101	89	96
400-283943-4	MW23-ROX-100925	101	100	89	99
400-283943-4 MS	MW23-ROX-100925	103	99	86	100
400-283943-4 MSD	MW23-ROX-100925	101	100	89	101
LCS 500-838978/9	Lab Control Sample	103	102	87	93
MB 500-838978/8	Method Blank	105	96	91	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283943-2	TB-ROX-100925-8260SIM-BP	117	84	82
400-283943-3	MW23-ROX-100925-EB	117	84	82
400-283943-4	MW23-ROX-100925	117	84	84
LCS 400-727394/1002	Lab Control Sample	109	97	93
MB 400-727394/4	Method Blank	109	92	88

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283943-3	MW23-ROX-100925-EB	68	75	84	68	81	75	73	84
400-283943-4	MW23-ROX-100925	68	76	60	68	81	76	73	60
LCS 400-726501/2-A	Lab Control Sample	64	76	76	64	89	76	96	76
LCS 400-726501/3-A	Lab Control Sample				67	89	78	88	87
LCSD 400-726501/4-A	Lab Control Sample Dup				68	84	75	82	86
MB 400-726501/1-A	Method Blank	70	81	84	70	86	81	80	84

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-283943-3	MW23-ROX-100925-EB	78
400-283943-4	MW23-ROX-100925	82
LCS 400-726501/2-A	Lab Control Sample	76
LCS 400-726501/3-A	Lab Control Sample	74
LCSD 400-726501/4-A	Lab Control Sample Dup	76

Surrogate Summary

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		TBP								
Lab Sample ID	Client Sample ID	(10-150)								
MB 400-726501/1-A	Method Blank	80								

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283943-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260-BP
Lab Sample ID: 400-283943-1
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 14:16	W1T	EET CHI

Client Sample ID: TB-ROX-100925-8260SIM-BP
Lab Sample ID: 400-283943-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 16:27	WPD	EET PEN

Client Sample ID: MW23-ROX-100925-EB
Lab Sample ID: 400-283943-3
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 14:38	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 16:50	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 19:50	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 19:50	JAW	EET PEN

Client Sample ID: MW23-ROX-100925
Lab Sample ID: 400-283943-4
Date Collected: 10/09/25 14:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 20:17	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 17:14	WPD	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 20:21	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 20:21	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726501/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 16:09	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 16:09	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727394/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 11:46	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838978/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 13:08	W1T	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726501/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 16:40	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 16:40	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726501/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 17:12	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727394/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 10:49	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838978/9
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 12:23	W1T	EET CHI

Lab Chronicle

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726501/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 17:44	JAW	EET PEN

Client Sample ID: MW23-ROX-100925
Lab Sample ID: 400-283943-4 MS
Date Collected: 10/09/25 14:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 20:39	W1T	EET CHI

Client Sample ID: MW23-ROX-100925
Lab Sample ID: 400-283943-4 MSD
Date Collected: 10/09/25 14:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838978	10/20/25 21:02	W1T	EET CHI

Laboratory References:

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EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 727394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283943-2	TB-ROX-100925-8260SIM-BP	Total/NA	Water	8260D SIM	
400-283943-3	MW23-ROX-100925-EB	Total/NA	Water	8260D SIM	
400-283943-4	MW23-ROX-100925	Total/NA	Water	8260D SIM	
MB 400-727394/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727394/1002	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 838978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283943-1	TB-ROX-100925-8260-BP	Total/NA	Water	8260D	
400-283943-3	MW23-ROX-100925-EB	Total/NA	Water	8260D	
400-283943-4	MW23-ROX-100925	Total/NA	Water	8260D	
MB 500-838978/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838978/9	Lab Control Sample	Total/NA	Water	8260D	
400-283943-4 MS	MW23-ROX-100925	Total/NA	Water	8260D	
400-283943-4 MSD	MW23-ROX-100925	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283943-3	MW23-ROX-100925-EB	Total/NA	Water	3511	
400-283943-4	MW23-ROX-100925	Total/NA	Water	3511	
MB 400-726501/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726501/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726501/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283943-3	MW23-ROX-100925-EB	Total/NA	Water	8270E	726501
400-283943-4	MW23-ROX-100925	Total/NA	Water	8270E	726501
MB 400-726501/1-A	Method Blank	Total/NA	Water	8270E	726501
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	8270E	726501

Analysis Batch: 727144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283943-3	MW23-ROX-100925-EB	Total/NA	Water	8270E	726501
400-283943-4	MW23-ROX-100925	Total/NA	Water	8270E	726501
MB 400-726501/1-A	Method Blank	Total/NA	Water	8270E	726501
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	8270E	726501
LCS 400-726501/3-A	Lab Control Sample	Total/NA	Water	8270E	726501
LCSD 400-726501/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726501

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838978/8
Matrix: Water
Analysis Batch: 838978

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 13:08	1
Acrolein	ND		100	35	ug/L			10/20/25 13:08	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 13:08	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 13:08	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 13:08	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 13:08	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 13:08	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 13:08	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 13:08	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 13:08	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 13:08	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 13:08	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 13:08	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 13:08	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/20/25 13:08	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 13:08	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 13:08	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 13:08	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 13:08	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 13:08	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 13:08	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 13:08	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 13:08	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/20/25 13:08	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 13:08	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 13:08	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 13:08	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 13:08	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 13:08	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 13:08	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 13:08	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 13:08	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 13:08	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 13:08	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 13:08	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 13:08	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 13:08	1
Methylene Chloride	5.79		5.0	3.6	ug/L			10/20/25 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 13:08	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 13:08	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 13:08	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 13:08	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 13:08	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 13:08	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 13:08	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 13:08	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 13:08	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838978/8
Matrix: Water
Analysis Batch: 838978

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 13:08	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 13:08	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 13:08	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 13:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 13:08	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 13:08	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 13:08	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 13:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 13:08	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 13:08	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 13:08	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 13:08	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 13:08	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 13:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 13:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 13:08	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 13:08	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/20/25 13:08	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/20/25 13:08*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/20/25 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*10/20/25 13:08*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*10/20/25 13:08*	*1*

Lab Sample ID: LCS 500-838978/9
Matrix: Water
Analysis Batch: 838978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	42.4		ug/L		85	40 - 143
Acrolein	2000	2010		ug/L		100	40 - 150
Acrylonitrile	500	417		ug/L		83	67 - 140
Benzene	50.0	42.9		ug/L		86	70 - 120
Bromobenzene	50.0	43.4		ug/L		87	70 - 122
Bromochloromethane	50.0	43.4		ug/L		87	65 - 122
Bromodichloromethane	50.0	39.6		ug/L		79	69 - 120
Bromoform	50.0	38.5		ug/L		77	56 - 132
Bromomethane	50.0	54.5		ug/L		109	40 - 152
2-Butanone (MEK)	50.0	34.0		ug/L		68	46 - 144
Carbon disulfide	50.0	50.3		ug/L		101	66 - 120
Carbon tetrachloride	50.0	46.7		ug/L		93	59 - 133
Chlorobenzene	50.0	43.1		ug/L		86	70 - 120
Chloroethane	50.0	53.2		ug/L		106	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838978/9
Matrix: Water
Analysis Batch: 838978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	4.26	*-	ug/L		9	52 - 136
Chloroform	50.0	43.0		ug/L		86	70 - 120
Chloromethane	50.0	39.9		ug/L		80	56 - 152
cis-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	37.7		ug/L		75	64 - 127
Dibromochloromethane	50.0	38.8		ug/L		78	68 - 125
1,2-Dichlorobenzene	50.0	42.1		ug/L		84	70 - 125
1,3-Dichlorobenzene	50.0	43.3		ug/L		87	70 - 125
1,4-Dichlorobenzene	50.0	42.3		ug/L		85	70 - 120
Dichlorodifluoromethane	50.0	56.0		ug/L		112	40 - 159
1,1-Dichloroethane	50.0	45.5		ug/L		91	70 - 125
1,2-Dichloroethane	50.0	35.6		ug/L		71	68 - 127
1,1-Dichloroethene	50.0	52.1		ug/L		104	67 - 122
1,2-Dichloropropane	50.0	41.2		ug/L		82	67 - 130
1,3-Dichloropropane	50.0	41.5		ug/L		83	62 - 136
2,2-Dichloropropane	50.0	43.7		ug/L		87	58 - 139
1,1-Dichloropropene	50.0	48.2		ug/L		96	70 - 121
Ethylbenzene	50.0	45.1		ug/L		90	70 - 123
Ethyl methacrylate	50.0	40.2		ug/L		80	63 - 129
Hexachlorobutadiene	50.0	40.8		ug/L		82	51 - 150
2-Hexanone	50.0	34.2		ug/L		68	54 - 146
Isopropylbenzene	50.0	48.9		ug/L		98	70 - 126
Methylene bromide	50.0	39.9		ug/L		80	70 - 120
Methylene Chloride	50.0	51.1		ug/L		102	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	28.4		ug/L		57	55 - 139
Methyl tert-butyl ether	50.0	44.0		ug/L		88	55 - 123
m-Xylene & p-Xylene	50.0	43.8		ug/L		88	70 - 125
Naphthalene	50.0	38.8		ug/L		78	53 - 144
n-Butylbenzene	50.0	49.8		ug/L		100	68 - 125
N-Propylbenzene	50.0	49.9		ug/L		100	69 - 127
o-Chlorotoluene	50.0	45.9		ug/L		92	70 - 125
o-Xylene	50.0	43.0		ug/L		86	70 - 120
p-Chlorotoluene	50.0	45.5		ug/L		91	68 - 124
p-Isopropyltoluene	50.0	46.7		ug/L		93	70 - 125
sec-Butylbenzene	50.0	49.0		ug/L		98	70 - 123
Styrene	50.0	43.3		ug/L		87	70 - 120
tert-Butylbenzene	50.0	46.6		ug/L		93	70 - 121
1,1,1,2-Tetrachloroethane	50.0	41.6		ug/L		83	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.1		ug/L		84	62 - 140
Tetrachloroethene	50.0	42.7		ug/L		85	70 - 128
Toluene	50.0	40.6		ug/L		81	70 - 125
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	36.7		ug/L		73	62 - 128
1,2,3-Trichlorobenzene	50.0	37.4		ug/L		75	51 - 145
1,2,4-Trichlorobenzene	50.0	38.4		ug/L		77	57 - 137
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	70 - 125
1,1,2-Trichloroethane	50.0	40.8		ug/L		82	71 - 130
Trichloroethene	50.0	42.7		ug/L		85	70 - 125
Trichlorofluoromethane	50.0	53.2		ug/L		106	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838978/9
Matrix: Water
Analysis Batch: 838978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	42.6		ug/L		85	50 - 133
1,2,4-Trimethylbenzene	50.0	45.0		ug/L		90	70 - 123
1,3,5-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 123
Vinyl acetate	50.0	30.0		ug/L		60	43 - 133
Vinyl chloride	50.0	45.7		ug/L		91	64 - 126
Xylenes, Total	100	86.8		ug/L		87	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: 400-283943-4 MS
Matrix: Water
Analysis Batch: 838978

Client Sample ID: MW23-ROX-100925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F2	50.0	29.4		ug/L		59	40 - 143
Acrolein	ND		2000	1670		ug/L		83	40 - 150
Acrylonitrile	ND		500	403		ug/L		81	67 - 140
Benzene	ND		50.0	43.8		ug/L		88	70 - 120
Bromobenzene	ND		50.0	45.5		ug/L		91	70 - 122
Bromochloromethane	ND		50.0	45.9		ug/L		92	65 - 122
Bromodichloromethane	ND		50.0	41.5		ug/L		83	69 - 120
Bromoform	ND		50.0	40.8		ug/L		82	56 - 132
Bromomethane	ND	F2	50.0	45.5		ug/L		91	40 - 152
2-Butanone (MEK)	ND		50.0	30.9		ug/L		62	46 - 144
Carbon disulfide	ND		50.0	44.3		ug/L		89	66 - 120
Carbon tetrachloride	ND		50.0	42.6		ug/L		85	59 - 133
Chlorobenzene	ND		50.0	44.0		ug/L		88	70 - 120
Chloroethane	ND	F2	50.0	43.6		ug/L		87	48 - 136
2-Chloroethyl vinyl ether	ND	*- F1	50.0	ND	F1	ug/L		0	52 - 136
Chloroform	ND		50.0	43.7		ug/L		87	70 - 120
Chloromethane	ND	F2	50.0	36.3		ug/L		73	56 - 152
cis-1,2-Dichloroethene	ND		50.0	46.8		ug/L		94	70 - 125
cis-1,3-Dichloropropene	ND		50.0	41.6		ug/L		83	64 - 127
Dibromochloromethane	ND		50.0	42.0		ug/L		84	68 - 125
1,2-Dichlorobenzene	ND		50.0	43.9		ug/L		88	70 - 125
1,3-Dichlorobenzene	ND		50.0	42.9		ug/L		86	70 - 125
1,4-Dichlorobenzene	ND		50.0	42.5		ug/L		85	70 - 120
Dichlorodifluoromethane	ND	F2	50.0	43.0		ug/L		86	40 - 159
1,1-Dichloroethane	ND		50.0	44.9		ug/L		90	70 - 125
1,2-Dichloroethane	ND		50.0	39.2		ug/L		78	68 - 127
1,1-Dichloroethene	ND		50.0	44.9		ug/L		90	67 - 122
1,2-Dichloropropane	ND		50.0	44.0		ug/L		88	67 - 130
1,3-Dichloropropane	ND		50.0	44.4		ug/L		89	62 - 136
2,2-Dichloropropane	ND		50.0	39.5		ug/L		79	58 - 139

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283943-4 MS
Matrix: Water
Analysis Batch: 838978

Client Sample ID: MW23-ROX-100925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	ND		50.0	44.0		ug/L		88	70 - 121
Ethylbenzene	ND		50.0	44.4		ug/L		89	70 - 123
Ethyl methacrylate	ND		50.0	44.6		ug/L		89	63 - 129
Hexachlorobutadiene	ND		50.0	38.5		ug/L		77	51 - 150
2-Hexanone	ND		50.0	32.4		ug/L		65	54 - 146
Isopropylbenzene	ND		50.0	47.1		ug/L		94	70 - 126
Methylene bromide	ND		50.0	43.1		ug/L		86	70 - 120
Methylene Chloride	4.8	J B	50.0	49.7		ug/L		90	69 - 125
4-Methyl-2-pentanone (MIBK)	ND		50.0	32.3		ug/L		65	55 - 139
Methyl tert-butyl ether	0.95	J	50.0	43.2		ug/L		84	55 - 123
m-Xylene & p-Xylene	ND		50.0	43.1		ug/L		86	70 - 125
Naphthalene	ND		50.0	41.5		ug/L		83	53 - 144
n-Butylbenzene	ND		50.0	45.0		ug/L		90	68 - 125
N-Propylbenzene	ND		50.0	46.9		ug/L		94	69 - 127
o-Chlorotoluene	ND		50.0	45.0		ug/L		90	70 - 125
o-Xylene	ND		50.0	43.3		ug/L		87	70 - 120
p-Chlorotoluene	ND		50.0	44.6		ug/L		89	68 - 124
p-Isopropyltoluene	ND		50.0	43.9		ug/L		88	70 - 125
sec-Butylbenzene	ND		50.0	46.2		ug/L		92	70 - 123
Styrene	ND		50.0	43.7		ug/L		87	70 - 120
tert-Butylbenzene	ND		50.0	44.7		ug/L		89	70 - 121
1,1,1,2-Tetrachloroethane	ND		50.0	44.5		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	ND		50.0	46.4		ug/L		93	62 - 140
Tetrachloroethene	ND		50.0	41.0		ug/L		82	70 - 128
Toluene	ND		50.0	43.3		ug/L		87	70 - 125
trans-1,2-Dichloroethene	ND		50.0	44.8		ug/L		90	70 - 125
trans-1,3-Dichloropropene	ND		50.0	41.0		ug/L		82	62 - 128
1,2,3-Trichlorobenzene	ND		50.0	39.0		ug/L		78	51 - 145
1,2,4-Trichlorobenzene	ND		50.0	37.8		ug/L		76	57 - 137
1,1,1-Trichloroethane	ND		50.0	43.1		ug/L		86	70 - 125
1,1,2-Trichloroethane	ND		50.0	45.2		ug/L		90	71 - 130
Trichloroethene	0.68		50.0	41.5		ug/L		82	70 - 125
Trichlorofluoromethane	ND		50.0	39.2		ug/L		78	55 - 128
1,2,3-Trichloropropane	ND		50.0	44.5		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	ND		50.0	44.2		ug/L		88	70 - 123
1,3,5-Trimethylbenzene	ND		50.0	45.1		ug/L		90	70 - 123
Vinyl acetate	ND		50.0	30.9		ug/L		62	43 - 133
Vinyl chloride	ND	F2	50.0	39.4		ug/L		79	64 - 126
Xylenes, Total	ND		100	86.4		ug/L		86	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283943-4 MSD
Matrix: Water
Analysis Batch: 838978

Client Sample ID: MW23-ROX-100925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F2	50.0	36.9	F2	ug/L		74	40 - 143	23	20
Acrolein	ND		2000	1950		ug/L		98	40 - 150	16	20
Acrylonitrile	ND		500	485		ug/L		97	67 - 140	18	20
Benzene	ND		50.0	49.9		ug/L		100	70 - 120	13	20
Bromobenzene	ND		50.0	50.4		ug/L		101	70 - 122	10	20
Bromochloromethane	ND		50.0	53.0		ug/L		106	65 - 122	14	20
Bromodichloromethane	ND		50.0	46.5		ug/L		93	69 - 120	11	20
Bromoform	ND		50.0	48.2		ug/L		96	56 - 132	17	20
Bromomethane	ND	F2	50.0	56.9	F2	ug/L		114	40 - 152	22	20
2-Butanone (MEK)	ND		50.0	36.5		ug/L		73	46 - 144	17	20
Carbon disulfide	ND		50.0	50.1		ug/L		100	66 - 120	12	20
Carbon tetrachloride	ND		50.0	47.3		ug/L		95	59 - 133	11	20
Chlorobenzene	ND		50.0	49.8		ug/L		100	70 - 120	12	20
Chloroethane	ND	F2	50.0	54.1	F2	ug/L		108	48 - 136	22	20
2-Chloroethyl vinyl ether	ND	*- F1	50.0	ND	F1	ug/L		0	52 - 136	NC	20
Chloroform	ND		50.0	49.4		ug/L		99	70 - 120	12	20
Chloromethane	ND	F2	50.0	45.1	F2	ug/L		90	56 - 152	21	20
cis-1,2-Dichloroethene	ND		50.0	54.2		ug/L		108	70 - 125	15	20
cis-1,3-Dichloropropene	ND		50.0	47.1		ug/L		94	64 - 127	12	20
Dibromochloromethane	ND		50.0	48.7		ug/L		97	68 - 125	15	20
1,2-Dichlorobenzene	ND		50.0	49.5		ug/L		99	70 - 125	12	20
1,3-Dichlorobenzene	ND		50.0	48.8		ug/L		98	70 - 125	13	20
1,4-Dichlorobenzene	ND		50.0	47.6		ug/L		95	70 - 120	11	20
Dichlorodifluoromethane	ND	F2	50.0	53.0	F2	ug/L		106	40 - 159	21	20
1,1-Dichloroethane	ND		50.0	51.2		ug/L		102	70 - 125	13	20
1,2-Dichloroethane	ND		50.0	44.0		ug/L		88	68 - 127	11	20
1,1-Dichloroethene	ND		50.0	50.6		ug/L		101	67 - 122	12	20
1,2-Dichloropropane	ND		50.0	49.5		ug/L		99	67 - 130	12	20
1,3-Dichloropropane	ND		50.0	50.0		ug/L		100	62 - 136	12	20
2,2-Dichloropropane	ND		50.0	45.5		ug/L		91	58 - 139	14	20
1,1-Dichloropropene	ND		50.0	49.8		ug/L		100	70 - 121	12	20
Ethylbenzene	ND		50.0	49.9		ug/L		100	70 - 123	12	20
Ethyl methacrylate	ND		50.0	51.7		ug/L		103	63 - 129	15	20
Hexachlorobutadiene	ND		50.0	43.7		ug/L		87	51 - 150	13	20
2-Hexanone	ND		50.0	39.6		ug/L		79	54 - 146	20	20
Isopropylbenzene	ND		50.0	52.5		ug/L		105	70 - 126	11	20
Methylene bromide	ND		50.0	50.1		ug/L		100	70 - 120	15	20
Methylene Chloride	4.8	J B	50.0	57.0		ug/L		104	69 - 125	14	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	37.4		ug/L		75	55 - 139	15	20
Methyl tert-butyl ether	0.95	J	50.0	50.5		ug/L		99	55 - 123	16	20
m-Xylene & p-Xylene	ND		50.0	48.1		ug/L		96	70 - 125	11	20
Naphthalene	ND		50.0	49.5		ug/L		99	53 - 144	17	20
n-Butylbenzene	ND		50.0	50.2		ug/L		100	68 - 125	11	20
N-Propylbenzene	ND		50.0	52.1		ug/L		104	69 - 127	11	20
o-Chlorotoluene	ND		50.0	50.4		ug/L		101	70 - 125	11	20
o-Xylene	ND		50.0	49.6		ug/L		99	70 - 120	14	20
p-Chlorotoluene	ND		50.0	49.2		ug/L		98	68 - 124	10	20
p-Isopropyltoluene	ND		50.0	49.4		ug/L		99	70 - 125	12	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283943-4 MSD
Matrix: Water
Analysis Batch: 838978

Client Sample ID: MW23-ROX-100925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene	ND		50.0	51.8		ug/L		104	70 - 123	11	20
Styrene	ND		50.0	49.4		ug/L		99	70 - 120	12	20
tert-Butylbenzene	ND		50.0	50.5		ug/L		101	70 - 121	12	20
1,1,1,2-Tetrachloroethane	ND		50.0	51.4		ug/L		103	70 - 125	15	20
1,1,2,2-Tetrachloroethane	ND		50.0	53.3		ug/L		107	62 - 140	14	20
Tetrachloroethene	ND		50.0	46.1		ug/L		92	70 - 128	12	20
Toluene	ND		50.0	48.0		ug/L		96	70 - 125	10	20
trans-1,2-Dichloroethene	ND		50.0	51.8		ug/L		104	70 - 125	14	20
trans-1,3-Dichloropropene	ND		50.0	45.9		ug/L		92	62 - 128	11	20
1,2,3-Trichlorobenzene	ND		50.0	45.1		ug/L		90	51 - 145	14	20
1,2,4-Trichlorobenzene	ND		50.0	43.5		ug/L		87	57 - 137	14	20
1,1,1-Trichloroethane	ND		50.0	48.2		ug/L		96	70 - 125	11	20
1,1,2-Trichloroethane	ND		50.0	51.1		ug/L		102	71 - 130	12	20
Trichloroethene	0.68		50.0	46.7		ug/L		92	70 - 125	12	20
Trichlorofluoromethane	ND		50.0	48.1		ug/L		96	55 - 128	20	20
1,2,3-Trichloropropane	ND		50.0	51.4		ug/L		103	50 - 133	14	20
1,2,4-Trimethylbenzene	ND		50.0	49.7		ug/L		99	70 - 123	12	20
1,3,5-Trimethylbenzene	ND		50.0	50.7		ug/L		101	70 - 123	12	20
Vinyl acetate	ND		50.0	35.4		ug/L		71	43 - 133	14	20
Vinyl chloride	ND	F2	50.0	48.8	F2	ug/L		98	64 - 126	21	20
Xylenes, Total	ND		100	97.8		ug/L		98	70 - 125	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-727394/4
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/20/25 11:46*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/20/25 11:46*	*1*
4-Bromofluorobenzene	*88*		*50 - 150*		*10/20/25 11:46*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-727394/1002
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.494		ug/L		99	50 - 150		
1,2-Dibromoethane			0.500	0.568		ug/L		114	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*109*		*50 - 150*
Toluene-d8 (Surr)	*97*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726501/1-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/12/25 14:01	10/17/25 16:09	1
Aniline	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 16:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzenethiol	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 16:09	1
Anthracene	ND		0.20	0.073	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzoic acid	ND		100	80	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/12/25 14:01	10/17/25 16:09	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 14:01	10/17/25 16:09	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 16:09	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Chloroaniline	ND		10	0.58	ug/L		10/12/25 14:01	10/17/25 16:09	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 16:09	1
Fluorene	ND		0.20	0.087	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Chlorophenol	ND		10	0.84	ug/L		10/12/25 14:01	10/17/25 16:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 16:09	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenzofuran	ND		10	0.64	ug/L		10/12/25 14:01	10/17/25 16:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 16:09	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726501/1-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pyrene	ND		0.20	0.095	ug/L		10/12/25 14:01	10/17/25 16:09	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/12/25 14:01	10/17/25 16:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 14:01	10/17/25 16:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 14:01	10/17/25 16:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachloroethane	ND		10	0.53	ug/L		10/12/25 14:01	10/17/25 16:09	1
Indene	ND		10	0.44	ug/L		10/12/25 14:01	10/17/25 16:09	1
Isophorone	ND		10	0.80	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Methylphenol	ND		10	0.76	ug/L		10/12/25 14:01	10/17/25 16:09	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 14:01	10/17/25 16:09	1
3-Nitroaniline	ND		10	0.95	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 14:01	10/17/25 16:09	1
Nitrobenzene	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Nitrophenol	ND		10	2.7	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 16:09	1
Phenol	ND		10	0.68	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pyridine	ND		10	3.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Quinoline	ND		10	0.50	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 14:01	10/17/25 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Terphenyl-d14	*84*		*43 - 147*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2-Fluorophenol	*86*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Nitrobenzene-d5	*81*		*22 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Phenol-d5	*80*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Terphenyl-d14	*84*		*28 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2,4,6-Tribromophenol	*80*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726501/2-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.9		ug/L		72	29 - 150
Aniline	33.3	27.8		ug/L		83	10 - 134
Acenaphthylene	33.3	23.7		ug/L		71	30 - 150
Anthracene	33.3	26.4		ug/L		79	31 - 150
Benzoic acid	152	161		ug/L		106	10 - 180
Benzo[a]anthracene	33.3	26.8		ug/L		80	36 - 150
Benzyl alcohol	33.3	42.4		ug/L		127	10 - 150
Benzo[a]pyrene	33.3	27.3		ug/L		82	29 - 150
Bis(2-chloroethoxy)methane	33.3	29.2		ug/L		88	34 - 120
Benzo[b]fluoranthene	33.3	30.3		ug/L		91	32 - 150
Bis(2-chloroethyl)ether	33.3	26.3		ug/L		79	32 - 114
Benzo[g,h,i]perylene	33.3	27.3		ug/L		82	28 - 150
bis (2-chloroisopropyl) ether	33.3	26.0		ug/L		78	32 - 115
Benzo[k]fluoranthene	33.3	26.5		ug/L		79	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	25.1		ug/L		75	24 - 133
4-Bromophenyl phenyl ether	33.3	25.6		ug/L		77	24 - 120
Chrysene	33.3	27.8		ug/L		83	34 - 150
Butyl benzyl phthalate	33.3	18.5		ug/L		56	24 - 140
Dibenz(a,h)anthracene	33.3	26.5		ug/L		79	29 - 150
4-Chloroaniline	33.3	26.7		ug/L		80	10 - 150
Fluoranthene	33.3	26.2		ug/L		79	30 - 150
4-Chloro-3-methylphenol	33.3	30.7		ug/L		92	10 - 137
Fluorene	33.3	23.8		ug/L		71	30 - 150
2-Chloronaphthalene	33.3	22.7		ug/L		68	10 - 150
2-Chlorophenol	33.3	27.8		ug/L		83	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	24.4		ug/L		73	28 - 150
1-Methylnaphthalene	33.3	21.6		ug/L		65	25 - 150
4-Chlorophenyl phenyl ether	33.3	24.1		ug/L		72	31 - 110
2-Methylnaphthalene	33.3	23.5		ug/L		70	24 - 150
Dibenz[a,h]acridine	33.3	32.2		ug/L		97	40 - 150
Dibenzofuran	33.3	23.8		ug/L		71	35 - 110
3,3'-Dichlorobenzidine	66.7	26.6		ug/L		40	10 - 150
Phenanthrene	33.3	25.4		ug/L		76	32 - 150
2,4-Dichlorophenol	33.3	27.7		ug/L		83	30 - 125
Pyrene	33.3	27.3		ug/L		82	30 - 150
Diethyl phthalate	33.3	14.3		ug/L		43	31 - 118
2,4-Dimethylphenol	33.3	25.2		ug/L		75	10 - 142
Dimethyl phthalate	33.3	16.0		ug/L		48	24 - 125
Di-n-butyl phthalate	33.3	16.7		ug/L		50	30 - 127
4,6-Dinitro-ortho-cresol	66.7	60.0		ug/L		90	10 - 150
2,4-Dinitrophenol	66.7	58.7		ug/L		88	10 - 150
2,4-Dinitrotoluene	33.3	25.7		ug/L		77	30 - 129
2,6-Dinitrotoluene	33.3	28.6		ug/L		86	34 - 132
Di-n-octyl phthalate	33.3	25.1		ug/L		75	28 - 142
1,4-Dioxane	33.3	31.2		ug/L		94	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.6		ug/L		77	29 - 121
Hexachlorobenzene	33.3	26.0		ug/L		78	29 - 113
Hexachlorocyclopentadiene	33.3	19.1	J	ug/L		57	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726501/2-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	33.3	19.9		ug/L		60	10 - 112
Indene	33.3	21.6		ug/L		65	10 - 113
Isophorone	33.3	28.8		ug/L		86	29 - 125
2-Methylphenol	33.3	30.1		ug/L		90	11 - 121
3 & 4 Methylphenol	33.3	32.9		ug/L		99	10 - 150
2-Nitroaniline	33.3	26.9		ug/L		81	31 - 141
3-Nitroaniline	33.3	23.4		ug/L		70	33 - 136
4-Nitroaniline	33.3	20.7		ug/L		62	37 - 139
Nitrobenzene	33.3	27.4		ug/L		82	29 - 129
2-Nitrophenol	33.3	28.2		ug/L		85	31 - 142
4-Nitrophenol	66.7	80.1		ug/L		120	10 - 150
N-Nitrosodimethylamine	33.3	33.6		ug/L		101	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.4		ug/L		79	50 - 134
N-Nitrosodiphenylamine	33.1	25.9		ug/L		78	50 - 132
Pentachlorophenol	66.7	59.0		ug/L		88	14 - 150
Phenol	33.3	35.1		ug/L		105	10 - 150
Pyridine	66.7	58.3		ug/L		87	10 - 150
Quinoline	33.3	28.7		ug/L		86	40 - 150
2,4,5-Trichlorophenol	33.3	27.4		ug/L		82	27 - 136
2,4,6-Trichlorophenol	33.3	27.4		ug/L		82	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*15 - 150*
Nitrobenzene-d5	*76*		*50 - 150*
Terphenyl-d14	*76*		*43 - 147*
2-Fluorobiphenyl	*64*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*96*		*10 - 150*
Terphenyl-d14	*76*		*28 - 150*
2,4,6-Tribromophenol	*76*		*10 - 150*

Lab Sample ID: LCS 400-726501/3-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	21.5		ug/L		64	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*87*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-726501/4-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	19.8		ug/L		59	10 - 150	8	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*25 - 139*
2-Fluorophenol	*84*		*10 - 150*
Nitrobenzene-d5	*75*		*22 - 150*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*86*		*28 - 150*
2,4,6-Tribromophenol	*76*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/9/2025
PO #	**GSAP Project ID**	PAGE: __1__ of __1__
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway, 20th Floor ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO	E-MAIL	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, T JENKINS

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS 60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings *or Laboratory Notes:*

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL	FIELD NOTES:
	TB-ROX-100925-8260-BP	10/9/2025	0000	Water	2					2	X				
	TB-ROX-100925-8260SIM-BP	10/9/2025	0000	Water	2					2		X			
	MW23-ROX-100925-EB	10/9/2025	1310	Water	6			4		10	X	X	X	X	
	MW23-ROX-100925	10/9/2025	1415	Water	6			4		10	X	X	X	X	

400-283943 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX. 4234 9608 5465	10/9/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) 0.5 IR10	Date: 10/10/25	Time: 918

Version: 21July25

CUSTODY SEALS: 2698076/ 2698077

11/6/2025 (Rev. 1)

Shell Oil Products US Chain Of Custody Record

AECOM

11/6/2025 (Rev. 1)

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/9/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE.

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL.: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S MCLEAN T JENKINS

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL.: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings *or Laboratory Notes.*

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100925-8260-BP	10/9/2025	0000	Water	2					2	X			
	TB-ROX-100925-8260SIM-BP	10/9/2025	0000	Water	2					2		X		
	MW23-ROX-100925-EB	10/9/2025	1310	Water	6			4		10	X	X	X	X
	MW23-ROX-100925	10/9/2025	1415	Water	6			4		10	X	X	X	X

400-283943 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5465	10/9/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) 0.5IR10	Date: 10/10/25	Time: 918

Version: 21July25

CUSTODY SEALS. 2698076/ 2698077

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No: 400-387175 1
Client Contact: Shipping/Receiving	Phone: N/A	E Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 400-283943-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/21/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ROXANA QUARTERLY GW	Project #: 40006124			
Site: N/A	SSOW#: N/A			

400-283943 COC

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of Containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX-100925-8260-BP (400-283943-1)	10/9/25	Central	G	Water			X	2	
MW23-ROX-100925-EB (400-283943-3)	10/9/25	13 10 Central	G	Water			X	3	
MW23-ROX-100925 (400-283943-4)	10/9/25	14 15 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	10/13/25 1700	EET	[signature]	10/14/25 0845	EET
2						
3						

Custody Seals Intact:	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.1 → 0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283943-1

Login Number: 283943
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283943-1

Login Number: 283943
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/14/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283943-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283944-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/4/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/12/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW13-ROX-100925	VOCs	Acrolein	UJ
MW13-ROX-100925	VOCs	Acetone	UJ
MW13-ROX-100925	VOCs	2-Butanone (MEK)	UJ
MW13-ROX-100925	VOCs	2-Hexanone	UJ
MW13-ROX-100925	VOCs	4-Methyl-2-pentanone (MIBK)	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for dimethyl phthalate was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW13-ROX-100925	SVOCs	Dimethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples)			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

	indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/21/2025 7:34:18 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283944-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
10/21/2025 7:34:18 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-283944-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/10/2025 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838796 was below the method criteria for the following analyte(s): Acetone, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838796 was above the method criteria for the following analyte(s): Bromomethane, 1,2,3-Trichlorobenzene, Vinyl acetate and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered outside acceptance criteria, low biased, for Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727144 recovered above the upper control limit for Benzoic acid, Benzyl alcohol and Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283944-1	TB-ROX-100925-8260-A	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283944-2	TB-ROX-100925-8260SIM-A	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283944-3	MW13-ROX-100925-EB	Water	10/09/25 08:35	10/10/25 09:18	Illinois
400-283944-4	MW13-ROX-100925	Water	10/09/25 11:00	10/10/25 09:18	Illinois

Detection Summary

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260-A — Lab Sample ID: 400-283944-1

No Detections.

Client Sample ID: TB-ROX-100925-8260SIM-A — Lab Sample ID: 400-283944-2

No Detections.

Client Sample ID: MW13-ROX-100925-EB — Lab Sample ID: 400-283944-3

No Detections.

Client Sample ID: MW13-ROX-100925 — Lab Sample ID: 400-283944-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Client Sample ID: TB-ROX-100925-8260-A
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 09:08	1
Acrolein	ND		100	35	ug/L			10/18/25 09:08	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 09:08	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 09:08	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 09:08	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 09:08	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 09:08	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 09:08	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 09:08	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 09:08	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 09:08	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 09:08	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 09:08	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 09:08	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 09:08	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 09:08	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 09:08	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 09:08	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 09:08	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 09:08	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 09:08	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 09:08	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 09:08	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 09:08	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 09:08	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 09:08	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 09:08	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 09:08	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 09:08	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 09:08	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 09:08	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 09:08	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 09:08	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 09:08	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 09:08	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 09:08	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 09:08	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 09:08	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 09:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 09:08	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 09:08	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 09:08	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 09:08	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 09:08	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 09:08	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 09:08	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 09:08	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 09:08	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 09:08	1

Client Sample ID: TB-ROX-100925-8260-A
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 09:08	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 09:08	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 09:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 09:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 09:08	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 09:08	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 09:08	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 09:08	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 09:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 09:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 09:08	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 09:08	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 09:08	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 09:08	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 09:08	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 09:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 09:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 09:08	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 09:08	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 09:08	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/18/25 09:08*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 09:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 09:08*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*10/18/25 09:08*	*1*

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260SIM-A
Lab Sample ID: 400-283944-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 17:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/20/25 17:37*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/20/25 17:37*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/20/25 17:37*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Client Sample ID: MW13-ROX-100925-EB

Date Collected: 10/09/25 08:35
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 18:00	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*118*		*50 - 150*		*10/20/25 18:00*	*1*
Toluene-d8 (Surr)	*83*		*50 - 150*		*10/20/25 18:00*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/20/25 18:00*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 10:55	1
Acrolein	ND		100	35	ug/L			10/18/25 10:55	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 10:55	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 10:55	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 10:55	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 10:55	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 10:55	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 10:55	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 10:55	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 10:55	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 10:55	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 10:55	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:55	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 10:55	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 10:55	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 10:55	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 10:55	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 10:55	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 10:55	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 10:55	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 10:55	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:55	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 10:55	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 10:55	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 10:55	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 10:55	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 10:55	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 10:55	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 10:55	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 10:55	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 10:55	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 10:55	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 10:55	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 10:55	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 10:55	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:55	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 10:55	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 10:55	1

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW13-ROX-100925-EB
Lab Sample ID: 400-283944-3
Date Collected: 10/09/25 08:35
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 10:55	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 10:55	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 10:55	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 10:55	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 10:55	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 10:55	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 10:55	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 10:55	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 10:55	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 10:55	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 10:55	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 10:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 10:55	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 10:55	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 10:55	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 10:55	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 10:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 10:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 10:55	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 10:55	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 10:55	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 10:55	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 10:55	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 10:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 10:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:55	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 10:55	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 10:55	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/18/25 10:55*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/18/25 10:55*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/18/25 10:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/12/25 14:01	10/17/25 20:52	1
Aniline	ND		10	0.75	ug/L		10/12/25 14:01	10/17/25 20:52	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzenethiol	ND		10	0.61	ug/L		10/12/25 14:01	10/17/25 20:52	1
Anthracene	ND		0.20	0.074	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzoic acid	ND		100	81	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 20:52	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 20:52	1

Client Sample ID: MW13-ROX-100925-EB
Date Collected: 10/09/25 08:35
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/12/25 14:01	10/17/25 20:52	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/12/25 14:01	10/17/25 20:52	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 20:52	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 14:01	10/17/25 20:52	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 20:52	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Chloroaniline	ND		10	0.59	ug/L		10/12/25 14:01	10/17/25 20:52	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 20:52	1
Fluorene	ND		0.20	0.088	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Chlorophenol	ND		10	0.85	ug/L		10/12/25 14:01	10/17/25 20:52	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 20:52	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/12/25 14:01	10/17/25 20:52	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/12/25 14:01	10/17/25 20:52	1
Dibenzofuran	ND		10	0.65	ug/L		10/12/25 14:01	10/17/25 20:52	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 20:52	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/12/25 14:01	10/17/25 20:52	1
Pyrene	ND		0.20	0.096	ug/L		10/12/25 14:01	10/17/25 20:52	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 20:52	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/12/25 14:01	10/17/25 20:52	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 14:01	10/17/25 20:52	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 14:01	10/17/25 20:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/12/25 14:01	10/17/25 20:52	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 14:01	10/17/25 20:52	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 20:52	1
Hexachloroethane	ND		10	0.54	ug/L		10/12/25 14:01	10/17/25 20:52	1
Indene	ND		10	0.44	ug/L		10/12/25 14:01	10/17/25 20:52	1
Isophorone	ND		10	0.81	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Methylphenol	ND		10	0.77	ug/L		10/12/25 14:01	10/17/25 20:52	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 14:01	10/17/25 20:52	1
3-Nitroaniline	ND		10	0.96	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 14:01	10/17/25 20:52	1
Nitrobenzene	ND		10	0.61	ug/L		10/12/25 14:01	10/17/25 20:52	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 14:01	10/17/25 20:52	1
4-Nitrophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 20:52	1

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW13-ROX-100925-EB
Lab Sample ID: 400-283944-3
Date Collected: 10/09/25 08:35
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/12/25 14:01	10/17/25 20:52	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 14:01	10/17/25 20:52	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 14:01	10/17/25 20:52	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 20:52	1
Phenol	ND		10	0.69	ug/L		10/12/25 14:01	10/17/25 20:52	1
Pyridine	ND		10	3.0	ug/L		10/12/25 14:01	10/17/25 20:52	1
Quinoline	ND		10	0.51	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/12/25 14:01	10/17/25 20:52	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 14:01	10/17/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
Nitrobenzene-d5	*72*		*50 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
Terphenyl-d14	*82*		*43 - 147*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
2-Fluorobiphenyl	*66*		*25 - 139*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
Nitrobenzene-d5	*72*		*22 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
Phenol-d5	*67*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
Terphenyl-d14	*82*		*28 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*
2,4,6-Tribromophenol	*74*		*10 - 150*	*10/12/25 14:01*	*10/17/25 20:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Client Sample ID: MW13-ROX-100925

Date Collected: 10/09/25 11:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 18:24	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*118*		*50 - 150*		*10/20/25 18:24*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/20/25 18:24*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/20/25 18:24*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 11:49	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 11:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 11:49	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 11:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 11:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 11:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 11:49	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 11:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 11:49	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 11:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 11:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 11:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 11:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 11:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 11:49	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 11:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 11:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 11:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 11:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 11:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 11:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 11:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 11:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 11:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 11:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 11:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 11:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 11:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 11:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 11:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 11:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 11:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 11:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 11:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 11:49	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 11:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 11:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 11:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 11:49	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 11:49	1

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW13-ROX-100925
Lab Sample ID: 400-283944-4
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 11:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 11:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 11:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 11:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 11:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 11:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 11:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 11:49	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 11:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 11:49	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 11:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 11:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 11:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 11:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 11:49	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 11:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 11:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 11:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 11:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 11:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 11:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 11:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 11:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 11:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 11:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 11:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 11:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 11:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 11:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*10/18/25 11:49*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/18/25 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 11:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 11:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/12/25 14:01	10/17/25 21:24	1
Aniline	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 21:24	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzenethiol	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 21:24	1
Anthracene	ND		0.20	0.073	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzoic acid	ND		100	80	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 21:24	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 21:24	1

Client Sample ID: MW13-ROX-100925
Date Collected: 10/09/25 11:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283944-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/12/25 14:01	10/17/25 21:24	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 21:24	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 21:24	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 14:01	10/17/25 21:24	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 21:24	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Chloroaniline	ND		10	0.58	ug/L		10/12/25 14:01	10/17/25 21:24	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 21:24	1
Fluorene	ND		0.20	0.087	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Chlorophenol	ND		10	0.84	ug/L		10/12/25 14:01	10/17/25 21:24	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 21:24	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:01	10/17/25 21:24	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/12/25 14:01	10/17/25 21:24	1
Dibenzofuran	ND		10	0.64	ug/L		10/12/25 14:01	10/17/25 21:24	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 21:24	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/12/25 14:01	10/17/25 21:24	1
Pyrene	ND		0.20	0.095	ug/L		10/12/25 14:01	10/17/25 21:24	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 21:24	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/12/25 14:01	10/17/25 21:24	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 14:01	10/17/25 21:24	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 14:01	10/17/25 21:24	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 21:24	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 14:01	10/17/25 21:24	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 21:24	1
Hexachloroethane	ND		10	0.53	ug/L		10/12/25 14:01	10/17/25 21:24	1
Indene	ND		10	0.44	ug/L		10/12/25 14:01	10/17/25 21:24	1
Isophorone	ND		10	0.80	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Methylphenol	ND		10	0.76	ug/L		10/12/25 14:01	10/17/25 21:24	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 14:01	10/17/25 21:24	1
3-Nitroaniline	ND		10	0.95	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 14:01	10/17/25 21:24	1
Nitrobenzene	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 21:24	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 14:01	10/17/25 21:24	1
4-Nitrophenol	ND		10	2.7	ug/L		10/12/25 14:01	10/17/25 21:24	1

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW13-ROX-100925
Lab Sample ID: 400-283944-4
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/12/25 14:01	10/17/25 21:24	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 14:01	10/17/25 21:24	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 14:01	10/17/25 21:24	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 21:24	1
Phenol	ND		10	0.68	ug/L		10/12/25 14:01	10/17/25 21:24	1
Pyridine	ND		10	3.0	ug/L		10/12/25 14:01	10/17/25 21:24	1
Quinoline	ND		10	0.50	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/12/25 14:01	10/17/25 21:24	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 14:01	10/17/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*15 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
Nitrobenzene-d5	*71*		*50 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
Terphenyl-d14	*48*		*43 - 147*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
2-Fluorobiphenyl	*61*		*25 - 139*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
Nitrobenzene-d5	*71*		*22 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
Phenol-d5	*68*		*10 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
Terphenyl-d14	*48*		*28 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*
2,4,6-Tribromophenol	*81*		*10 - 150*	*10/12/25 14:01*	*10/17/25 21:24*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283944-1	TB-ROX-100925-8260-A	101	99	101	103
400-283944-3	MW13-ROX-100925-EB	100	98	100	104
400-283944-4	MW13-ROX-100925	102	101	101	105
LCS 500-838796/4	Lab Control Sample	95	100	99	103
LCSD 500-838796/5	Lab Control Sample Dup	97	99	96	104
MB 500-838796/8	Method Blank	99	98	98	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283944-2	TB-ROX-100925-8260SIM-A	117	85	81
400-283944-3	MW13-ROX-100925-EB	118	83	81
400-283944-4	MW13-ROX-100925	118	85	80
LCS 400-727394/1002	Lab Control Sample	109	97	93
MB 400-727394/4	Method Blank	109	92	88

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283944-3	MW13-ROX-100925-EB	66	72	82	66	74	72	67	82
400-283944-4	MW13-ROX-100925	61	71	48	61	74	71	68	48
LCS 400-726501/2-A	Lab Control Sample	64	76	76	64	89	76	96	76
LCS 400-726501/3-A	Lab Control Sample				67	89	78	88	87
LCSD 400-726501/4-A	Lab Control Sample Dup				68	84	75	82	86
MB 400-726501/1-A	Method Blank	70	81	84	70	86	81	80	84

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-283944-3	MW13-ROX-100925-EB	74
400-283944-4	MW13-ROX-100925	81
LCS 400-726501/2-A	Lab Control Sample	76
LCS 400-726501/3-A	Lab Control Sample	74
LCSD 400-726501/4-A	Lab Control Sample Dup	76
MB 400-726501/1-A	Method Blank	80

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260-A
Lab Sample ID: 400-283944-1
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 09:08	MM	EET CHI

Client Sample ID: TB-ROX-100925-8260SIM-A
Lab Sample ID: 400-283944-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 17:37	WPD	EET PEN

Client Sample ID: MW13-ROX-100925-EB
Lab Sample ID: 400-283944-3
Date Collected: 10/09/25 08:35
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 10:55	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 18:00	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 20:52	JAW	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 20:52	JAW	EET PEN

Client Sample ID: MW13-ROX-100925
Lab Sample ID: 400-283944-4
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 11:49	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 18:24	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 21:24	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 21:24	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726501/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 16:09	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 16:09	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727394/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 11:46	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838796/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 07:49	MM	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726501/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727143	10/17/25 16:40	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 16:40	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726501/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 17:12	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727394/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 10:49	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838796/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:04	MM	EET CHI

Lab Chronicle

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726501/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726501	10/12/25 14:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			727144	10/17/25 17:44	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838796/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:30	MM	EET CHI

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283944-1

GC/MS VOA

Analysis Batch: 727394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283944-2	TB-ROX-100925-8260SIM-A	Total/NA	Water	8260D SIM	
400-283944-3	MW13-ROX-100925-EB	Total/NA	Water	8260D SIM	
400-283944-4	MW13-ROX-100925	Total/NA	Water	8260D SIM	
MB 400-727394/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727394/1002	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 838796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283944-1	TB-ROX-100925-8260-A	Total/NA	Water	8260D	
400-283944-3	MW13-ROX-100925-EB	Total/NA	Water	8260D	
400-283944-4	MW13-ROX-100925	Total/NA	Water	8260D	
MB 500-838796/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838796/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838796/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283944-3	MW13-ROX-100925-EB	Total/NA	Water	3511	
400-283944-4	MW13-ROX-100925	Total/NA	Water	3511	
MB 400-726501/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726501/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726501/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283944-3	MW13-ROX-100925-EB	Total/NA	Water	8270E	726501
400-283944-4	MW13-ROX-100925	Total/NA	Water	8270E	726501
MB 400-726501/1-A	Method Blank	Total/NA	Water	8270E	726501
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	8270E	726501

Analysis Batch: 727144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283944-3	MW13-ROX-100925-EB	Total/NA	Water	8270E	726501
400-283944-4	MW13-ROX-100925	Total/NA	Water	8270E	726501
MB 400-726501/1-A	Method Blank	Total/NA	Water	8270E	726501
LCS 400-726501/2-A	Lab Control Sample	Total/NA	Water	8270E	726501
LCS 400-726501/3-A	Lab Control Sample	Total/NA	Water	8270E	726501
LCSD 400-726501/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726501

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 07:49	1
Acrolein	ND		100	35	ug/L			10/18/25 07:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 07:49	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 07:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 07:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 07:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 07:49	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 07:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 07:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 07:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 07:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 07:49	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 07:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 07:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 07:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 07:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 07:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 07:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 07:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 07:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 07:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 07:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 07:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 07:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 07:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 07:49	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 07:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 07:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 07:49	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 07:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 07:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 07:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 07:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 07:49	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 07:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 07:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 07:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 07:49	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 07:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 07:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 07:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 07:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 07:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 07:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 07:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 07:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 07:49*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 07:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/18/25 07:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 07:49*	*1*

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	33.9		ug/L		68	40 - 143
Acrolein	2000	1770		ug/L		89	40 - 150
Acrylonitrile	500	535		ug/L		107	67 - 140
Benzene	50.0	47.6		ug/L		95	70 - 120
Bromobenzene	50.0	52.4		ug/L		105	70 - 122
Bromochloromethane	50.0	54.1		ug/L		108	65 - 122
Bromodichloromethane	50.0	48.5		ug/L		97	69 - 120
Bromoform	50.0	50.9		ug/L		102	56 - 132
Bromomethane	50.0	65.6		ug/L		131	40 - 152
2-Butanone (MEK)	50.0	32.2		ug/L		64	46 - 144
Carbon disulfide	50.0	40.2		ug/L		80	66 - 120
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	53.2		ug/L		106	70 - 120
Chloroethane	50.0	52.5		ug/L		105	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	49.5		ug/L		99	52 - 136
Chloroform	50.0	49.9		ug/L		100	70 - 120
Chloromethane	50.0	54.3		ug/L		109	56 - 152
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	64 - 127
Dibromochloromethane	50.0	53.2		ug/L		106	68 - 125
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 125
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	50.4		ug/L		101	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	44.6		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	43.7		ug/L		87	58 - 139
1,1-Dichloropropene	50.0	44.3		ug/L		89	70 - 121
Ethylbenzene	50.0	49.3		ug/L		99	70 - 123
Ethyl methacrylate	50.0	52.1		ug/L		104	63 - 129
Hexachlorobutadiene	50.0	52.5		ug/L		105	51 - 150
2-Hexanone	50.0	32.1		ug/L		64	54 - 146
Isopropylbenzene	50.0	46.5		ug/L		93	70 - 126
Methylene bromide	50.0	52.7		ug/L		105	70 - 120
Methylene Chloride	50.0	44.3		ug/L		89	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	33.1		ug/L		66	55 - 139
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 125
Naphthalene	50.0	52.4		ug/L		105	53 - 144
n-Butylbenzene	50.0	44.0		ug/L		88	68 - 125
N-Propylbenzene	50.0	46.2		ug/L		92	69 - 127
o-Chlorotoluene	50.0	46.6		ug/L		93	70 - 125
o-Xylene	50.0	46.4		ug/L		93	70 - 120
p-Chlorotoluene	50.0	47.6		ug/L		95	68 - 124
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	43.9		ug/L		88	70 - 123
Styrene	50.0	51.2		ug/L		102	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	48.4		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	51 - 145
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	57 - 137
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	56.6		ug/L		113	71 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	54.6		ug/L		109	50 - 133		
1,2,4-Trimethylbenzene			50.0	46.9		ug/L		94	70 - 123		
1,3,5-Trimethylbenzene			50.0	46.3		ug/L		93	70 - 123		
Vinyl acetate			50.0	62.8		ug/L		126	43 - 133		
Vinyl chloride			50.0	52.1		ug/L		104	64 - 126		
Xylenes, Total			100	92.0		ug/L		92	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			50.0	35.2		ug/L		70	40 - 143	4	20
Acrolein			2000	1810		ug/L		90	40 - 150	2	20
Acrylonitrile			500	540		ug/L		108	67 - 140	1	20
Benzene			50.0	49.0		ug/L		98	70 - 120	3	20
Bromobenzene			50.0	56.1		ug/L		112	70 - 122	7	20
Bromochloromethane			50.0	56.9		ug/L		114	65 - 122	5	20
Bromodichloromethane			50.0	51.2		ug/L		102	69 - 120	5	20
Bromoform			50.0	52.4		ug/L		105	56 - 132	3	20
Bromomethane			50.0	63.7		ug/L		127	40 - 152	3	20
2-Butanone (MEK)			50.0	33.1		ug/L		66	46 - 144	3	20
Carbon disulfide			50.0	41.2		ug/L		82	66 - 120	2	20
Carbon tetrachloride			50.0	45.6		ug/L		91	59 - 133	4	20
Chlorobenzene			50.0	55.8		ug/L		112	70 - 120	5	20
Chloroethane			50.0	52.8		ug/L		106	48 - 136	1	20
2-Chloroethyl vinyl ether			50.0	52.2		ug/L		104	52 - 136	5	20
Chloroform			50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane			50.0	55.4		ug/L		111	56 - 152	2	20
cis-1,2-Dichloroethene			50.0	51.0		ug/L		102	70 - 125	3	20
cis-1,3-Dichloropropene			50.0	53.8		ug/L		108	64 - 127	5	20
Dibromochloromethane			50.0	57.0		ug/L		114	68 - 125	7	20
1,2-Dichlorobenzene			50.0	56.0		ug/L		112	70 - 125	6	20
1,3-Dichlorobenzene			50.0	54.6		ug/L		109	70 - 125	7	20
1,4-Dichlorobenzene			50.0	55.1		ug/L		110	70 - 120	9	20
Dichlorodifluoromethane			50.0	48.6		ug/L		97	40 - 159	4	20
1,1-Dichloroethane			50.0	49.2		ug/L		98	70 - 125	1	20
1,2-Dichloroethane			50.0	51.7		ug/L		103	68 - 127	2	20
1,1-Dichloroethene			50.0	44.3		ug/L		89	67 - 122	1	20
1,2-Dichloropropane			50.0	52.9		ug/L		106	67 - 130	2	20
1,3-Dichloropropane			50.0	55.4		ug/L		111	62 - 136	4	20
2,2-Dichloropropane			50.0	44.5		ug/L		89	58 - 139	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	46.1		ug/L		92	70 - 121	4	20
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123	5	20
Ethyl methacrylate			50.0	53.3		ug/L		107	63 - 129	2	20
Hexachlorobutadiene			50.0	56.8		ug/L		114	51 - 150	8	20
2-Hexanone			50.0	33.9		ug/L		68	54 - 146	6	20
Isopropylbenzene			50.0	50.0		ug/L		100	70 - 126	7	20
Methylene bromide			50.0	53.4		ug/L		107	70 - 120	1	20
Methylene Chloride			50.0	46.0		ug/L		92	69 - 125	4	20
4-Methyl-2-pentanone (MIBK)			50.0	34.1		ug/L		68	55 - 139	3	20
Methyl tert-butyl ether			50.0	49.0		ug/L		98	55 - 123	2	20
m-Xylene & p-Xylene			50.0	47.8		ug/L		96	70 - 125	5	20
Naphthalene			50.0	54.4		ug/L		109	53 - 144	4	20
n-Butylbenzene			50.0	47.6		ug/L		95	68 - 125	8	20
N-Propylbenzene			50.0	49.4		ug/L		99	69 - 127	7	20
o-Chlorotoluene			50.0	49.8		ug/L		100	70 - 125	7	20
o-Xylene			50.0	48.6		ug/L		97	70 - 120	5	20
p-Chlorotoluene			50.0	50.7		ug/L		101	68 - 124	6	20
p-Isopropyltoluene			50.0	49.6		ug/L		99	70 - 125	6	20
sec-Butylbenzene			50.0	47.5		ug/L		95	70 - 123	8	20
Styrene			50.0	53.3		ug/L		107	70 - 120	4	20
tert-Butylbenzene			50.0	48.2		ug/L		96	70 - 121	7	20
1,1,1,2-Tetrachloroethane			50.0	56.5		ug/L		113	70 - 125	4	20
1,1,2,2-Tetrachloroethane			50.0	56.1		ug/L		112	62 - 140	4	20
Tetrachloroethene			50.0	49.9		ug/L		100	70 - 128	6	20
Toluene			50.0	50.2		ug/L		100	70 - 125	4	20
trans-1,2-Dichloroethene			50.0	48.6		ug/L		97	70 - 125	5	20
trans-1,3-Dichloropropene			50.0	54.2		ug/L		108	62 - 128	4	20
1,2,3-Trichlorobenzene			50.0	56.8		ug/L		114	51 - 145	1	20
1,2,4-Trichlorobenzene			50.0	54.3		ug/L		109	57 - 137	5	20
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	70 - 125	6	20
1,1,2-Trichloroethane			50.0	59.3		ug/L		119	71 - 130	5	20
Trichloroethene			50.0	51.6		ug/L		103	70 - 125	5	20
Trichlorofluoromethane			50.0	46.2		ug/L		92	55 - 128	5	20
1,2,3-Trichloropropane			50.0	58.1		ug/L		116	50 - 133	6	20
1,2,4-Trimethylbenzene			50.0	50.3		ug/L		101	70 - 123	7	20
1,3,5-Trimethylbenzene			50.0	49.4		ug/L		99	70 - 123	6	20
Vinyl acetate			50.0	64.1		ug/L		128	43 - 133	2	20
Vinyl chloride			50.0	52.9		ug/L		106	64 - 126	2	20
Xylenes, Total			100	96.4		ug/L		96	70 - 125	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-727394/4
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/20/25 11:46*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/20/25 11:46*	*1*
4-Bromofluorobenzene	*88*		*50 - 150*		*10/20/25 11:46*	*1*

Lab Sample ID: LCS 400-727394/1002
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.494		ug/L		99	50 - 150
1,2-Dibromoethane	0.500	0.568		ug/L		114	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*109*		*50 - 150*
Toluene-d8 (Surr)	*97*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726501/1-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/12/25 14:01	10/17/25 16:09	1
Aniline	ND		10	0.74	ug/L		10/12/25 14:01	10/17/25 16:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzenethiol	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 16:09	1
Anthracene	ND		0.20	0.073	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzoic acid	ND		100	80	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/12/25 14:01	10/17/25 16:09	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 16:09	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 14:01	10/17/25 16:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 14:01	10/17/25 16:09	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 14:01	10/17/25 16:09	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 16:09	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726501/1-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10	0.58	ug/L		10/12/25 14:01	10/17/25 16:09	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/12/25 14:01	10/17/25 16:09	1
Fluorene	ND		0.20	0.087	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Chlorophenol	ND		10	0.84	ug/L		10/12/25 14:01	10/17/25 16:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 14:01	10/17/25 16:09	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dibenzofuran	ND		10	0.64	ug/L		10/12/25 14:01	10/17/25 16:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 14:01	10/17/25 16:09	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pyrene	ND		0.20	0.095	ug/L		10/12/25 14:01	10/17/25 16:09	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 14:01	10/17/25 16:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/12/25 14:01	10/17/25 16:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 14:01	10/17/25 16:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 14:01	10/17/25 16:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 14:01	10/17/25 16:09	1
Hexachloroethane	ND		10	0.53	ug/L		10/12/25 14:01	10/17/25 16:09	1
Indene	ND		10	0.44	ug/L		10/12/25 14:01	10/17/25 16:09	1
Isophorone	ND		10	0.80	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Methylphenol	ND		10	0.76	ug/L		10/12/25 14:01	10/17/25 16:09	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 14:01	10/17/25 16:09	1
3-Nitroaniline	ND		10	0.95	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 14:01	10/17/25 16:09	1
Nitrobenzene	ND		10	0.60	ug/L		10/12/25 14:01	10/17/25 16:09	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 14:01	10/17/25 16:09	1
4-Nitrophenol	ND		10	2.7	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 14:01	10/17/25 16:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 14:01	10/17/25 16:09	1
Phenol	ND		10	0.68	ug/L		10/12/25 14:01	10/17/25 16:09	1
Pyridine	ND		10	3.0	ug/L		10/12/25 14:01	10/17/25 16:09	1
Quinoline	ND		10	0.50	ug/L		10/12/25 14:01	10/17/25 16:09	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/12/25 14:01	10/17/25 16:09	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726501/1-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 14:01	10/17/25 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Terphenyl-d14	*84*		*43 - 147*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2-Fluorophenol	*86*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Nitrobenzene-d5	*81*		*22 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Phenol-d5	*80*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
Terphenyl-d14	*84*		*28 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*
2,4,6-Tribromophenol	*80*		*10 - 150*	*10/12/25 14:01*	*10/17/25 16:09*	*1*

Lab Sample ID: LCS 400-726501/2-A
Matrix: Water
Analysis Batch: 727143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.9		ug/L		72	29 - 150
Aniline	33.3	27.8		ug/L		83	10 - 134
Acenaphthylene	33.3	23.7		ug/L		71	30 - 150
Anthracene	33.3	26.4		ug/L		79	31 - 150
Benzoic acid	152	161		ug/L		106	10 - 180
Benzo[a]anthracene	33.3	26.8		ug/L		80	36 - 150
Benzyl alcohol	33.3	42.4		ug/L		127	10 - 150
Benzo[a]pyrene	33.3	27.3		ug/L		82	29 - 150
Bis(2-chloroethoxy)methane	33.3	29.2		ug/L		88	34 - 120
Benzo[b]fluoranthene	33.3	30.3		ug/L		91	32 - 150
Bis(2-chloroethyl)ether	33.3	26.3		ug/L		79	32 - 114
Benzo[g,h,i]perylene	33.3	27.3		ug/L		82	28 - 150
bis (2-chloroisopropyl) ether	33.3	26.0		ug/L		78	32 - 115
Benzo[k]fluoranthene	33.3	26.5		ug/L		79	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	25.1		ug/L		75	24 - 133
4-Bromophenyl phenyl ether	33.3	25.6		ug/L		77	24 - 120
Chrysene	33.3	27.8		ug/L		83	34 - 150
Butyl benzyl phthalate	33.3	18.5		ug/L		56	24 - 140
Dibenz(a,h)anthracene	33.3	26.5		ug/L		79	29 - 150
4-Chloroaniline	33.3	26.7		ug/L		80	10 - 150
Fluoranthene	33.3	26.2		ug/L		79	30 - 150
4-Chloro-3-methylphenol	33.3	30.7		ug/L		92	10 - 137
Fluorene	33.3	23.8		ug/L		71	30 - 150
2-Chloronaphthalene	33.3	22.7		ug/L		68	10 - 150
2-Chlorophenol	33.3	27.8		ug/L		83	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	24.4		ug/L		73	28 - 150
1-Methylnaphthalene	33.3	21.6		ug/L		65	25 - 150
4-Chlorophenyl phenyl ether	33.3	24.1		ug/L		72	31 - 110
2-Methylnaphthalene	33.3	23.5		ug/L		70	24 - 150
Dibenz[a,h]acridine	33.3	32.2		ug/L		97	40 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726501/2-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	23.8		ug/L		71	35 - 110
3,3'-Dichlorobenzidine	66.7	26.6		ug/L		40	10 - 150
Phenanthrene	33.3	25.4		ug/L		76	32 - 150
2,4-Dichlorophenol	33.3	27.7		ug/L		83	30 - 125
Pyrene	33.3	27.3		ug/L		82	30 - 150
Diethyl phthalate	33.3	14.3		ug/L		43	31 - 118
2,4-Dimethylphenol	33.3	25.2		ug/L		75	10 - 142
Dimethyl phthalate	33.3	16.0		ug/L		48	24 - 125
Di-n-butyl phthalate	33.3	16.7		ug/L		50	30 - 127
4,6-Dinitro-ortho-cresol	66.7	60.0		ug/L		90	10 - 150
2,4-Dinitrophenol	66.7	58.7		ug/L		88	10 - 150
2,4-Dinitrotoluene	33.3	25.7		ug/L		77	30 - 129
2,6-Dinitrotoluene	33.3	28.6		ug/L		86	34 - 132
Di-n-octyl phthalate	33.3	25.1		ug/L		75	28 - 142
1,4-Dioxane	33.3	31.2		ug/L		94	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.6		ug/L		77	29 - 121
Hexachlorobenzene	33.3	26.0		ug/L		78	29 - 113
Hexachlorocyclopentadiene	33.3	19.1	J	ug/L		57	10 - 150
Hexachloroethane	33.3	19.9		ug/L		60	10 - 112
Indene	33.3	21.6		ug/L		65	10 - 113
Isophorone	33.3	28.8		ug/L		86	29 - 125
2-Methylphenol	33.3	30.1		ug/L		90	11 - 121
3 & 4 Methylphenol	33.3	32.9		ug/L		99	10 - 150
2-Nitroaniline	33.3	26.9		ug/L		81	31 - 141
3-Nitroaniline	33.3	23.4		ug/L		70	33 - 136
4-Nitroaniline	33.3	20.7		ug/L		62	37 - 139
Nitrobenzene	33.3	27.4		ug/L		82	29 - 129
2-Nitrophenol	33.3	28.2		ug/L		85	31 - 142
4-Nitrophenol	66.7	80.1		ug/L		120	10 - 150
N-Nitrosodimethylamine	33.3	33.6		ug/L		101	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.4		ug/L		79	50 - 134
N-Nitrosodiphenylamine	33.1	25.9		ug/L		78	50 - 132
Pentachlorophenol	66.7	59.0		ug/L		88	14 - 150
Phenol	33.3	35.1		ug/L		105	10 - 150
Pyridine	66.7	58.3		ug/L		87	10 - 150
Quinoline	33.3	28.7		ug/L		86	40 - 150
2,4,5-Trichlorophenol	33.3	27.4		ug/L		82	27 - 136
2,4,6-Trichlorophenol	33.3	27.4		ug/L		82	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*15 - 150*
Nitrobenzene-d5	*76*		*50 - 150*
Terphenyl-d14	*76*		*43 - 147*
2-Fluorobiphenyl	*64*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*96*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726501/2-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	76		28 - 150
2,4,6-Tribromophenol	76		10 - 150

Lab Sample ID: LCS 400-726501/3-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726501

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	21.5		ug/L		64	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	67		25 - 139
2-Fluorophenol	89		10 - 150
Nitrobenzene-d5	78		22 - 150
Phenol-d5	88		10 - 150
Terphenyl-d14	87		28 - 150
2,4,6-Tribromophenol	74		10 - 150

Lab Sample ID: LCSD 400-726501/4-A
Matrix: Water
Analysis Batch: 727144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	19.8		ug/L		59	10 - 150	8	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	68		25 - 139
2-Fluorophenol	84		10 - 150
Nitrobenzene-d5	75		22 - 150
Phenol-d5	82		10 - 150
Terphenyl-d14	86		28 - 150
2,4,6-Tribromophenol	76		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

10/21/2025

LAB (LOCATION)
- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/9/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE.	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
Melissa Remiger please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL	Readings / Notes.
	TB-ROX-100925-8260-A	10/9/2025	0000	Water	2					2	X				
	TB-ROX-100925-8260SIM-A	10/9/2025	0000	Water	2					2		X			
	MW13-ROX-100925-EB	10/9/2025	0835	Water	6			4		10	X	X	X	X	
	MW13-ROX-100925	10/9/2025	1100	Water	6			4		10	X	X	X	X	

400-283944 Chain of Custody

FIELD NOTES:

10/09/25

Relinquished by (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5465	10/9/2025	1600
Relinquished by (Signature)	Received by (Signature)	Date:	Time:
Relinquished by (Signature)	Received by (Signature) 0.5 IR10	Date: 10/10/25	Time: 918

Version: 21July25

CUSTODY SEALS: 2698076/ 2698077

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/9/2025
PO #	**GSAP Project ID**	PAGE. 1 of 2
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS. Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES .

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com, brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

400-283944 Chain of Custody

Readings / Notes.

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100925-8260-A	10/9/2025	0000	Water	2					2	X			
	TB-ROX-100925-8260SIM-A	10/9/2025	0000	Water	2					2		X		
	MW13-ROX-100925-EB	10/9/2025	0835	Water	6			4		10	X	X	X	X
	MW13-ROX-100925	10/9/2025	1100	Water	6			4		10	X	X	X	X

10/09/25

FIELD NOTES:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5465	10/9/2025	1600
	0.5 IR10	10/10/25	918

Version: 21July25

CUSTODY SEALS: 2698076/ 2698077

10/21/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No: 400-387175 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 400-283944-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/21/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ROXANA QUARTERLY GW	Project #: 40006124			
Site: N/A	SSOW#: N/A			

400-283944 COC

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX-100925-8260-A (400-283944-1)	10/9/25	Central	G	Water			X	2	
MW13-ROX-100925-EB (400-283944-3)	10/9/25	08 35 Central	G	Water			X	3	
MW13-ROX-100925 (400-283944-4)	10/9/25	11 00 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10/13/25 1700	EET		10/14/25 0845	EET
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		0.1-20.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283944-1

Login Number: 283944
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283944-1

Login Number: 283944
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/14/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283944-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283945-1-R1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/4/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 500-838981/4 LCSD 500-838981/5	VOCs	Dibromochloromethane	**127**/120	6	68-125/20
		1,1,1,2-Tetrachloroethane	**127**/118	7	70-125/20

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 500-838981/7	VOCs	1,2,3-Trichlorobenzene	0.497 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that required dilution.

Analytes were detected in samples that required dilution with the exception of MW4-ROX-100925 and MW4-ROX-100925-DUP. All VOCs by 8260D SIM from these samples were qualified estimated (UJ).

Reporting/Other	No other quality issues were noted that would impact the usability of this data set.		X		

The laboratory report was revised on November 21, 2025, to add comments regarding chloroform detections in samples MW4-ROX-100925 and MW4-ROX-100925-DUP.

Chloroform was detected in samples MW4-ROX-100925 and MW4-ROX-100925-DUP below the laboratory's LOQ. The detections are possibly due to the laboratory water system; chloroform results were qualified as estimated (J).

Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	coefficient/correlation criteria				
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) for several acrolein was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-100925	VOCs	Acrolein	UJ
MW4-ROX-100925-DUP	VOCs	Acrolein	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for benzyl alcohol was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-100925	SVOCs	Benzyl alcohol	UJ
MW4-ROX-100925-DUP	SVOCs	Benzyl alcohol	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/21/2025 8:53:18 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283945-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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11/21/2025 8:53:18 AM
Revision 1

Authorized for release by
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(615)301-5038

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Job Narrative
400-283945-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Revision
Report revised to add comment regarding chloroform detection. Supersedes report dated 10-23-2025.

Receipt
The samples were received on 10/10/2025 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838796 was below the method criteria for the following analyte(s): Acetone, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838796 was above the method criteria for the following analyte(s): Bromomethane, 1,2,3-Trichlorobenzene, Vinyl acetate and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838981 was above the method criteria for the following analyte(s): Bromodichloromethane, 1,1,1,2-Tetrachloroethane and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-838981 recovered outside control limits for the following analytes: Bromodichloromethane and 1,1,1,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-100925 (400-283945-4) and MW4-ROX-100925-DUP (400-283945-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The method blank for analytical batch 500-838981 contained 1,2,3-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: Chloroform was detected in the following items: MW4-ROX-100925 (400-283945-4) and MW4-ROX-100925-DUP (400-283945-5). These chloroform detects were below our laboratory reporting limit (LOQ). This is possibly due to the laboratory water system.

Method 8260D_SIM: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW4-ROX-100925 (400-283945-4) and MW4-ROX-100925-DUP (400-283945-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-726498.

Job ID: 400-283945-1 (Continued)

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-718787 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-726498.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726687 recovered outside acceptance criteria, low biased, for Benzyl alcohol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-726687 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-100925 (400-283945-4) and MW4-ROX-100925-DUP (400-283945-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283945-1	TB-ROX-100925-8260-B	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283945-2	TB-ROX-100925-8260SIM-B	Water	10/09/25 00:00	10/10/25 09:18	Illinois
400-283945-3	MW4-ROX-100925-EB	Water	10/09/25 09:45	10/10/25 09:18	Illinois
400-283945-4	MW4-ROX-100925	Water	10/09/25 11:15	10/10/25 09:18	Illinois
400-283945-5	MW4-ROX-100925-DUP	Water	10/09/25 11:15	10/10/25 09:18	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: TB-ROX-100925-8260-B — Lab Sample ID: 400-283945-1

No Detections.

Client Sample ID: TB-ROX-100925-8260SIM-B — Lab Sample ID: 400-283945-2

No Detections.

Client Sample ID: MW4-ROX-100925-EB — Lab Sample ID: 400-283945-3

No Detections.

Client Sample ID: MW4-ROX-100925 — Lab Sample ID: 400-283945-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2200	J	4000	1800	ug/L	2000		8260D	Total/NA
Toluene	540	J	1000	410	ug/L	2000		8260D	Total/NA
Benzene - DL	620000		25000	8800	ug/L	50000		8260D	Total/NA
2,4-Dimethylphenol	8.2	J	10	0.24	ug/L	1		8270E	Total/NA
2-Methylphenol	3.7	J	10	0.78	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	27		20	4.7	ug/L	1		8270E	Total/NA
Phenol - DL	330		100	6.9	ug/L	10		8270E	Total/NA

Client Sample ID: MW4-ROX-100925-DUP — Lab Sample ID: 400-283945-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2000	J	4000	1800	ug/L	2000		8260D	Total/NA
Toluene	480	J	1000	410	ug/L	2000		8260D	Total/NA
Benzene - DL	620000		25000	8800	ug/L	50000		8260D	Total/NA
2,4-Dimethylphenol	8.2	J	10	0.24	ug/L	1		8270E	Total/NA
2-Methylphenol	3.6	J	10	0.77	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	27		20	4.7	ug/L	1		8270E	Total/NA
Phenol - DL	270		100	6.9	ug/L	10		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: TB-ROX-100925-8260-B
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 08:42	1
Acrolein	ND		100	35	ug/L			10/18/25 08:42	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 08:42	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 08:42	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 08:42	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 08:42	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 08:42	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 08:42	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 08:42	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 08:42	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 08:42	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 08:42	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 08:42	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 08:42	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 08:42	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 08:42	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 08:42	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 08:42	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 08:42	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 08:42	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 08:42	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 08:42	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 08:42	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 08:42	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 08:42	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 08:42	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 08:42	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 08:42	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 08:42	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 08:42	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 08:42	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 08:42	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 08:42	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 08:42	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 08:42	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 08:42	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 08:42	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 08:42	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 08:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 08:42	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 08:42	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 08:42	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 08:42	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 08:42	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 08:42	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 08:42	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 08:42	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 08:42	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 08:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: TB-ROX-100925-8260-B
Date Collected: 10/09/25 00:00
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 08:42	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 08:42	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 08:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 08:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 08:42	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 08:42	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 08:42	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 08:42	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 08:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 08:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 08:42	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 08:42	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 08:42	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 08:42	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 08:42	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 08:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 08:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 08:42	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 08:42	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 08:42	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/18/25 08:42*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/18/25 08:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/18/25 08:42*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 08:42*	*1*

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-100925-8260SIM-B
Lab Sample ID: 400-283945-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 09:13	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/16/25 09:13*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/16/25 09:13*	*1*
4-Bromofluorobenzene	*89*		*50 - 150*		*10/16/25 09:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: MW4-ROX-100925-EB

Date Collected: 10/09/25 09:45
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 09:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/16/25 09:37*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*		*10/16/25 09:37*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 09:37*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 10:29	1
Acrolein	ND		100	35	ug/L			10/18/25 10:29	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 10:29	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 10:29	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 10:29	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 10:29	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 10:29	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 10:29	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 10:29	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 10:29	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 10:29	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 10:29	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:29	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 10:29	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 10:29	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 10:29	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 10:29	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 10:29	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 10:29	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 10:29	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 10:29	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 10:29	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 10:29	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 10:29	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 10:29	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 10:29	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 10:29	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 10:29	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 10:29	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 10:29	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 10:29	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 10:29	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 10:29	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 10:29	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 10:29	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 10:29	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:29	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 10:29	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 10:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 10:29	1

Client Sample ID: MW4-ROX-100925-EB
Date Collected: 10/09/25 09:45
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 10:29	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 10:29	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 10:29	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 10:29	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 10:29	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 10:29	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 10:29	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 10:29	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 10:29	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 10:29	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 10:29	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 10:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 10:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 10:29	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 10:29	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 10:29	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 10:29	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 10:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 10:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 10:29	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 10:29	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 10:29	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 10:29	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 10:29	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 10:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 10:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 10:29	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 10:29	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 10:29	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 10:29*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 10:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 10:29*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/18/25 10:29*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.087	ug/L		10/12/25 13:38	10/14/25 17:28	1
Aniline	ND		10	0.76	ug/L		10/12/25 13:38	10/14/25 17:28	1
Acenaphthylene	ND		0.21	0.048	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzenethiol	ND		10	0.62	ug/L		10/12/25 13:38	10/14/25 17:28	1
Anthracene	ND		0.21	0.075	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzoic acid	ND		100	82	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzo[a]anthracene	ND		0.21	0.041	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzyl alcohol	ND		36	31	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzo[a]pyrene	ND		0.21	0.046	ug/L		10/12/25 13:38	10/14/25 17:28	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzo[b]fluoranthene	ND		0.21	0.043	ug/L		10/12/25 13:38	10/14/25 17:28	1

Client Sample ID: MW4-ROX-100925-EB
Date Collected: 10/09/25 09:45
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.75	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzo[g,h,i]perylene	ND		0.21	0.053	ug/L		10/12/25 13:38	10/14/25 17:28	1
bis (2-chloroisopropyl) ether	ND		10	0.96	ug/L		10/12/25 13:38	10/14/25 17:28	1
Benzo[k]fluoranthene	ND		0.21	0.041	ug/L		10/12/25 13:38	10/14/25 17:28	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 13:38	10/14/25 17:28	1
Chrysene	ND		0.21	0.040	ug/L		10/12/25 13:38	10/14/25 17:28	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
Dibenz(a,h)anthracene	ND		0.21	0.045	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Chloroaniline	ND		10	0.60	ug/L		10/12/25 13:38	10/14/25 17:28	1
Fluoranthene	ND		0.21	0.033	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Chloro-3-methylphenol	ND		10	0.75	ug/L		10/12/25 13:38	10/14/25 17:28	1
Fluorene	ND		0.21	0.089	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Chlorophenol	ND		10	0.86	ug/L		10/12/25 13:38	10/14/25 17:28	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.033	ug/L		10/12/25 13:38	10/14/25 17:28	1
1-Methylnaphthalene	ND		0.21	0.068	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Chlorophenyl phenyl ether	ND		10	0.25	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Methylnaphthalene	ND		0.21	0.079	ug/L		10/12/25 13:38	10/14/25 17:28	1
Dibenz[a,h]acridine	ND		10	0.71	ug/L		10/12/25 13:38	10/14/25 17:28	1
Dibenzofuran	ND		10	0.66	ug/L		10/12/25 13:38	10/14/25 17:28	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/12/25 13:38	10/14/25 17:28	1
Phenanthrene	ND		0.21	0.045	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4-Dichlorophenol	ND		10	0.59	ug/L		10/12/25 13:38	10/14/25 17:28	1
Pyrene	ND		0.21	0.098	ug/L		10/12/25 13:38	10/14/25 17:28	1
Diethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4-Dimethylphenol	ND		10	0.25	ug/L		10/12/25 13:38	10/14/25 17:28	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/12/25 13:38	10/14/25 17:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4-Dinitrophenol	ND		31	4.8	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4-Dinitrotoluene	ND		10	0.67	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/12/25 13:38	10/14/25 17:28	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
1,4-Dioxane	ND		10	4.4	ug/L		10/12/25 13:38	10/14/25 17:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.96	ug/L		10/12/25 13:38	10/14/25 17:28	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/12/25 13:38	10/14/25 17:28	1
Hexachlorocyclopentadiene	ND		21	0.33	ug/L		10/12/25 13:38	10/14/25 17:28	1
Hexachloroethane	ND		10	0.54	ug/L		10/12/25 13:38	10/14/25 17:28	1
Indene	ND		10	0.45	ug/L		10/12/25 13:38	10/14/25 17:28	1
Isophorone	ND		10	0.82	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Methylphenol	ND		10	0.78	ug/L		10/12/25 13:38	10/14/25 17:28	1
3 & 4 Methylphenol	ND		21	4.7	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 13:38	10/14/25 17:28	1
3-Nitroaniline	ND		10	0.98	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Nitroaniline	ND		10	3.6	ug/L		10/12/25 13:38	10/14/25 17:28	1
Nitrobenzene	ND		10	0.62	ug/L		10/12/25 13:38	10/14/25 17:28	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 13:38	10/14/25 17:28	1
4-Nitrophenol	ND		10	2.8	ug/L		10/12/25 13:38	10/14/25 17:28	1

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-100925-EB
Lab Sample ID: 400-283945-3
Date Collected: 10/09/25 09:45
Matrix: Water
Date Received: 10/10/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	1.0	ug/L		10/12/25 13:38	10/14/25 17:28	1
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/12/25 13:38	10/14/25 17:28	1
N-Nitrosodiphenylamine	ND		10	0.20	ug/L		10/12/25 13:38	10/14/25 17:28	1
Pentachlorophenol	ND		10	2.9	ug/L		10/12/25 13:38	10/14/25 17:28	1
Phenol	ND		10	0.70	ug/L		10/12/25 13:38	10/14/25 17:28	1
Pyridine	ND		10	3.1	ug/L		10/12/25 13:38	10/14/25 17:28	1
Quinoline	ND		10	0.51	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/12/25 13:38	10/14/25 17:28	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 13:38	10/14/25 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*15 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
Nitrobenzene-d5	*73*		*50 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
Terphenyl-d14	*82*		*43 - 147*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
2-Fluorobiphenyl	*64*		*25 - 139*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
2-Fluorophenol	*82*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
Nitrobenzene-d5	*73*		*22 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
Phenol-d5	*78*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
Terphenyl-d14	*82*		*28 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*
2,4,6-Tribromophenol	*67*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:28*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: MW4-ROX-100925
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.10	0.080	ug/L			10/20/25 20:21	5
1,2-Dibromoethane	ND	UJ	0.10	0.050	ug/L			10/20/25 20:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/20/25 20:21*	*5*
Toluene-d8 (Surr)	*71*		*50 - 150*		*10/20/25 20:21*	*5*
4-Bromofluorobenzene	*74*		*50 - 150*		*10/20/25 20:21*	*5*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20000	8600	ug/L			10/20/25 21:10	2000
Acrolein	ND	UJ	200000	70000	ug/L			10/20/25 21:10	2000
Acrylonitrile	ND		40000	12000	ug/L			10/20/25 21:10	2000
Bromobenzene	ND		2000	1200	ug/L			10/20/25 21:10	2000
Bromochloromethane	ND		2000	1000	ug/L			10/20/25 21:10	2000
Bromodichloromethane	ND		2000	1100	ug/L			10/20/25 21:10	2000
Bromoform	ND		2000	1900	ug/L			10/20/25 21:10	2000
Bromomethane	ND		6000	3600	ug/L			10/20/25 21:10	2000
2-Butanone (MEK)	ND		10000	4700	ug/L			10/20/25 21:10	2000
Carbon disulfide	ND		4000	2100	ug/L			10/20/25 21:10	2000
Carbon tetrachloride	ND		2000	830	ug/L			10/20/25 21:10	2000
Chlorobenzene	ND		2000	820	ug/L			10/20/25 21:10	2000
Chloroethane	ND		10000	940	ug/L			10/20/25 21:10	2000
2-Chloroethyl vinyl ether	ND		4000	3300	ug/L			10/20/25 21:10	2000
Chloroform	**2200**	**J** J	4000	1800	ug/L			10/20/25 21:10	2000
1-Chlorohexane	ND		2000	1100	ug/L			10/20/25 21:10	2000
Chloromethane	ND		10000	1600	ug/L			10/20/25 21:10	2000
cis-1,2-Dichloroethene	ND		2000	830	ug/L			10/20/25 21:10	2000
cis-1,3-Dichloropropene	ND		2000	1000	ug/L			10/20/25 21:10	2000
Dibromochloromethane	ND	*+	2000	1700	ug/L			10/20/25 21:10	2000
1,2-Dichlorobenzene	ND		2000	960	ug/L			10/20/25 21:10	2000
1,3-Dichlorobenzene	ND		2000	810	ug/L			10/20/25 21:10	2000
1,4-Dichlorobenzene	ND		2000	910	ug/L			10/20/25 21:10	2000
Dichlorodifluoromethane	ND		6000	3500	ug/L			10/20/25 21:10	2000
1,1-Dichloroethane	ND		2000	730	ug/L			10/20/25 21:10	2000
1,2-Dichloroethane	ND		2000	1200	ug/L			10/20/25 21:10	2000
1,1-Dichloroethene	ND		2000	960	ug/L			10/20/25 21:10	2000
1,2-Dichloropropane	ND		2000	750	ug/L			10/20/25 21:10	2000
1,3-Dichloropropane	ND		2000	1100	ug/L			10/20/25 21:10	2000
2,2-Dichloropropane	ND		10000	970	ug/L			10/20/25 21:10	2000
1,1-Dichloropropene	ND		2000	670	ug/L			10/20/25 21:10	2000
Ethylbenzene	ND		1000	410	ug/L			10/20/25 21:10	2000
Ethyl methacrylate	ND		5000	1600	ug/L			10/20/25 21:10	2000
Hexachlorobutadiene	ND		2000	1100	ug/L			10/20/25 21:10	2000
2-Hexanone	ND		10000	4500	ug/L			10/20/25 21:10	2000
Isopropylbenzene	ND		2000	580	ug/L			10/20/25 21:10	2000
Methylene bromide	ND		2000	1200	ug/L			10/20/25 21:10	2000
Methylene Chloride	ND		10000	7200	ug/L			10/20/25 21:10	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4100	ug/L			10/20/25 21:10	2000
Methyl tert-butyl ether	ND		2000	870	ug/L			10/20/25 21:10	2000

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: MW4-ROX-100925
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2000	590	ug/L			10/20/25 21:10	2000
Naphthalene	ND		2000	880	ug/L			10/20/25 21:10	2000
n-Butylbenzene	ND		2000	650	ug/L			10/20/25 21:10	2000
N-Propylbenzene	ND		2000	640	ug/L			10/20/25 21:10	2000
o-Chlorotoluene	ND		2000	720	ug/L			10/20/25 21:10	2000
o-Xylene	ND		1000	410	ug/L			10/20/25 21:10	2000
p-Chlorotoluene	ND		2000	690	ug/L			10/20/25 21:10	2000
p-Isopropyltoluene	ND		2000	580	ug/L			10/20/25 21:10	2000
sec-Butylbenzene	ND		2000	540	ug/L			10/20/25 21:10	2000
Styrene	ND		2000	610	ug/L			10/20/25 21:10	2000
tert-Butylbenzene	ND		2000	530	ug/L			10/20/25 21:10	2000
1,1,1,2-Tetrachloroethane	ND	*+	2000	1300	ug/L			10/20/25 21:10	2000
1,1,2,2-Tetrachloroethane	ND		2000	1300	ug/L			10/20/25 21:10	2000
Tetrachloroethene	ND		2000	780	ug/L			10/20/25 21:10	2000
Toluene	**540**	**J**	1000	410	ug/L			10/20/25 21:10	2000
trans-1,2-Dichloroethene	ND		2000	880	ug/L			10/20/25 21:10	2000
trans-1,3-Dichloropropene	ND		2000	1300	ug/L			10/20/25 21:10	2000
1,2,3-Trichlorobenzene	ND		2000	700	ug/L			10/20/25 21:10	2000
1,2,4-Trichlorobenzene	ND		2000	620	ug/L			10/20/25 21:10	2000
1,1,1-Trichloroethane	ND		2000	900	ug/L			10/20/25 21:10	2000
1,1,2-Trichloroethane	ND		2000	1500	ug/L			10/20/25 21:10	2000
Trichloroethene	ND		1000	300	ug/L			10/20/25 21:10	2000
Trichlorofluoromethane	ND		2000	890	ug/L			10/20/25 21:10	2000
1,2,3-Trichloropropane	ND		4000	3000	ug/L			10/20/25 21:10	2000
1,2,4-Trimethylbenzene	ND		2000	600	ug/L			10/20/25 21:10	2000
1,3,5-Trimethylbenzene	ND		2000	580	ug/L			10/20/25 21:10	2000
Vinyl acetate	ND		4000	1600	ug/L			10/20/25 21:10	2000
Vinyl chloride	ND		2000	940	ug/L			10/20/25 21:10	2000
Xylenes, Total	ND		2000	590	ug/L			10/20/25 21:10	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/20/25 21:10*	*2000*
Dibromofluoromethane	*103*		*75 - 120*		*10/20/25 21:10*	*2000*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*10/20/25 21:10*	*2000*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/20/25 21:10*	*2000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**620000**		25000	8800	ug/L			10/18/25 15:21	50000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/18/25 15:21*	*50000*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 15:21*	*50000*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 15:21*	*50000*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 15:21*	*50000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/12/25 13:38	10/14/25 17:59	1
Aniline	ND		10	0.76	ug/L		10/12/25 13:38	10/14/25 17:59	1

Client Sample ID: MW4-ROX-100925
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.048	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzenethiol	ND		10	0.61	ug/L		10/12/25 13:38	10/14/25 17:59	1
Anthracene	ND		0.20	0.074	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzoic acid	ND		100	82	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzyl alcohol	ND	UJ	36	31	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/12/25 13:38	10/14/25 17:59	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/12/25 13:38	10/14/25 17:59	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/12/25 13:38	10/14/25 17:59	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/12/25 13:38	10/14/25 17:59	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/12/25 13:38	10/14/25 17:59	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 13:38	10/14/25 17:59	1
Chrysene	ND		0.20	0.040	ug/L		10/12/25 13:38	10/14/25 17:59	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Chloroaniline	ND		10	0.59	ug/L		10/12/25 13:38	10/14/25 17:59	1
Fluoranthene	ND		0.20	0.033	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/12/25 13:38	10/14/25 17:59	1
Fluorene	ND		0.20	0.089	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Chlorophenol	ND		10	0.86	ug/L		10/12/25 13:38	10/14/25 17:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/12/25 13:38	10/14/25 17:59	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/12/25 13:38	10/14/25 17:59	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/12/25 13:38	10/14/25 17:59	1
Dibenzofuran	ND		10	0.65	ug/L		10/12/25 13:38	10/14/25 17:59	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/12/25 13:38	10/14/25 17:59	1
Phenanthrene	ND		0.20	0.045	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/12/25 13:38	10/14/25 17:59	1
Pyrene	ND		0.20	0.097	ug/L		10/12/25 13:38	10/14/25 17:59	1
Diethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4-Dimethylphenol	**8.2**	**J**	10	0.24	ug/L		10/12/25 13:38	10/14/25 17:59	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/12/25 13:38	10/14/25 17:59	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4-Dinitrophenol	ND		31	4.8	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/12/25 13:38	10/14/25 17:59	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
1,4-Dioxane	ND		10	4.4	ug/L		10/12/25 13:38	10/14/25 17:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/12/25 13:38	10/14/25 17:59	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/12/25 13:38	10/14/25 17:59	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/12/25 13:38	10/14/25 17:59	1
Hexachloroethane	ND		10	0.54	ug/L		10/12/25 13:38	10/14/25 17:59	1
Indene	ND		10	0.45	ug/L		10/12/25 13:38	10/14/25 17:59	1

Client Sample ID: MW4-ROX-100925
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		10	0.82	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Methylphenol	**3.7**	**J**	10	0.78	ug/L		10/12/25 13:38	10/14/25 17:59	1
3 & 4 Methylphenol	**27**		20	4.7	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 13:38	10/14/25 17:59	1
3-Nitroaniline	ND		10	0.97	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Nitroaniline	ND		10	3.6	ug/L		10/12/25 13:38	10/14/25 17:59	1
Nitrobenzene	ND		10	0.61	ug/L		10/12/25 13:38	10/14/25 17:59	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 13:38	10/14/25 17:59	1
4-Nitrophenol	ND		10	2.8	ug/L		10/12/25 13:38	10/14/25 17:59	1
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/12/25 13:38	10/14/25 17:59	1
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/12/25 13:38	10/14/25 17:59	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 13:38	10/14/25 17:59	1
Pentachlorophenol	ND		10	2.9	ug/L		10/12/25 13:38	10/14/25 17:59	1
Pyridine	ND		10	3.1	ug/L		10/12/25 13:38	10/14/25 17:59	1
Quinoline	ND		10	0.51	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/12/25 13:38	10/14/25 17:59	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 13:38	10/14/25 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*15 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
Nitrobenzene-d5	*78*		*50 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
Terphenyl-d14	*59*		*43 - 147*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
2-Fluorobiphenyl	*64*		*25 - 139*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
2-Fluorophenol	*78*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
Nitrobenzene-d5	*78*		*22 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
Phenol-d5	*78*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
Terphenyl-d14	*59*		*28 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*
2,4,6-Tribromophenol	*72*		*10 - 150*	*10/12/25 13:38*	*10/14/25 17:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**330**		100	6.9	ug/L		10/12/25 13:38	10/15/25 15:36	10

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: MW4-ROX-100925-DUP

Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.10	0.080	ug/L			10/20/25 20:44	5
1,2-Dibromoethane	ND	UJ	0.10	0.050	ug/L			10/20/25 20:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*139*		*50 - 150*		*10/20/25 20:44*	*5*
Toluene-d8 (Surr)	*70*		*50 - 150*		*10/20/25 20:44*	*5*
4-Bromofluorobenzene	*71*		*50 - 150*		*10/20/25 20:44*	*5*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20000	8600	ug/L			10/20/25 21:35	2000
Acrolein	ND	UJ	200000	70000	ug/L			10/20/25 21:35	2000
Acrylonitrile	ND		40000	12000	ug/L			10/20/25 21:35	2000
Bromobenzene	ND		2000	1200	ug/L			10/20/25 21:35	2000
Bromochloromethane	ND		2000	1000	ug/L			10/20/25 21:35	2000
Bromodichloromethane	ND		2000	1100	ug/L			10/20/25 21:35	2000
Bromoform	ND		2000	1900	ug/L			10/20/25 21:35	2000
Bromomethane	ND		6000	3600	ug/L			10/20/25 21:35	2000
2-Butanone (MEK)	ND		10000	4700	ug/L			10/20/25 21:35	2000
Carbon disulfide	ND		4000	2100	ug/L			10/20/25 21:35	2000
Carbon tetrachloride	ND		2000	830	ug/L			10/20/25 21:35	2000
Chlorobenzene	ND		2000	820	ug/L			10/20/25 21:35	2000
Chloroethane	ND		10000	940	ug/L			10/20/25 21:35	2000
2-Chloroethyl vinyl ether	ND		4000	3300	ug/L			10/20/25 21:35	2000
Chloroform	**2000**	**J** J	4000	1800	ug/L			10/20/25 21:35	2000
1-Chlorohexane	ND		2000	1100	ug/L			10/20/25 21:35	2000
Chloromethane	ND		10000	1600	ug/L			10/20/25 21:35	2000
cis-1,2-Dichloroethene	ND		2000	830	ug/L			10/20/25 21:35	2000
cis-1,3-Dichloropropene	ND		2000	1000	ug/L			10/20/25 21:35	2000
Dibromochloromethane	ND	*+	2000	1700	ug/L			10/20/25 21:35	2000
1,2-Dichlorobenzene	ND		2000	960	ug/L			10/20/25 21:35	2000
1,3-Dichlorobenzene	ND		2000	810	ug/L			10/20/25 21:35	2000
1,4-Dichlorobenzene	ND		2000	910	ug/L			10/20/25 21:35	2000
Dichlorodifluoromethane	ND		6000	3500	ug/L			10/20/25 21:35	2000
1,1-Dichloroethane	ND		2000	730	ug/L			10/20/25 21:35	2000
1,2-Dichloroethane	ND		2000	1200	ug/L			10/20/25 21:35	2000
1,1-Dichloroethene	ND		2000	960	ug/L			10/20/25 21:35	2000
1,2-Dichloropropane	ND		2000	750	ug/L			10/20/25 21:35	2000
1,3-Dichloropropane	ND		2000	1100	ug/L			10/20/25 21:35	2000
2,2-Dichloropropane	ND		10000	970	ug/L			10/20/25 21:35	2000
1,1-Dichloropropene	ND		2000	670	ug/L			10/20/25 21:35	2000
Ethylbenzene	ND		1000	410	ug/L			10/20/25 21:35	2000
Ethyl methacrylate	ND		5000	1600	ug/L			10/20/25 21:35	2000
Hexachlorobutadiene	ND		2000	1100	ug/L			10/20/25 21:35	2000
2-Hexanone	ND		10000	4500	ug/L			10/20/25 21:35	2000
Isopropylbenzene	ND		2000	580	ug/L			10/20/25 21:35	2000
Methylene bromide	ND		2000	1200	ug/L			10/20/25 21:35	2000
Methylene Chloride	ND		10000	7200	ug/L			10/20/25 21:35	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4100	ug/L			10/20/25 21:35	2000
Methyl tert-butyl ether	ND		2000	870	ug/L			10/20/25 21:35	2000

Client Sample ID: MW4-ROX-100925-DUP

Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2000	590	ug/L			10/20/25 21:35	2000
Naphthalene	ND		2000	880	ug/L			10/20/25 21:35	2000
n-Butylbenzene	ND		2000	650	ug/L			10/20/25 21:35	2000
N-Propylbenzene	ND		2000	640	ug/L			10/20/25 21:35	2000
o-Chlorotoluene	ND		2000	720	ug/L			10/20/25 21:35	2000
o-Xylene	ND		1000	410	ug/L			10/20/25 21:35	2000
p-Chlorotoluene	ND		2000	690	ug/L			10/20/25 21:35	2000
p-Isopropyltoluene	ND		2000	580	ug/L			10/20/25 21:35	2000
sec-Butylbenzene	ND		2000	540	ug/L			10/20/25 21:35	2000
Styrene	ND		2000	610	ug/L			10/20/25 21:35	2000
tert-Butylbenzene	ND		2000	530	ug/L			10/20/25 21:35	2000
1,1,1,2-Tetrachloroethane	ND	*+	2000	1300	ug/L			10/20/25 21:35	2000
1,1,2,2-Tetrachloroethane	ND		2000	1300	ug/L			10/20/25 21:35	2000
Tetrachloroethene	ND		2000	780	ug/L			10/20/25 21:35	2000
Toluene	**480**	**J**	1000	410	ug/L			10/20/25 21:35	2000
trans-1,2-Dichloroethene	ND		2000	880	ug/L			10/20/25 21:35	2000
trans-1,3-Dichloropropene	ND		2000	1300	ug/L			10/20/25 21:35	2000
1,2,3-Trichlorobenzene	ND		2000	700	ug/L			10/20/25 21:35	2000
1,2,4-Trichlorobenzene	ND		2000	620	ug/L			10/20/25 21:35	2000
1,1,1-Trichloroethane	ND		2000	900	ug/L			10/20/25 21:35	2000
1,1,2-Trichloroethane	ND		2000	1500	ug/L			10/20/25 21:35	2000
Trichloroethene	ND		1000	300	ug/L			10/20/25 21:35	2000
Trichlorofluoromethane	ND		2000	890	ug/L			10/20/25 21:35	2000
1,2,3-Trichloropropane	ND		4000	3000	ug/L			10/20/25 21:35	2000
1,2,4-Trimethylbenzene	ND		2000	600	ug/L			10/20/25 21:35	2000
1,3,5-Trimethylbenzene	ND		2000	580	ug/L			10/20/25 21:35	2000
Vinyl acetate	ND		4000	1600	ug/L			10/20/25 21:35	2000
Vinyl chloride	ND		2000	940	ug/L			10/20/25 21:35	2000
Xylenes, Total	ND		2000	590	ug/L			10/20/25 21:35	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*10/20/25 21:35*	*2000*
Dibromofluoromethane	*101*		*75 - 120*		*10/20/25 21:35*	*2000*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*10/20/25 21:35*	*2000*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/20/25 21:35*	*2000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**620000**		25000	8800	ug/L			10/18/25 15:47	50000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 15:47*	*50000*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 15:47*	*50000*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/18/25 15:47*	*50000*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 15:47*	*50000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/12/25 13:38	10/14/25 18:29	1
Aniline	ND		10	0.75	ug/L		10/12/25 13:38	10/14/25 18:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Client Sample ID: MW4-ROX-100925-DUP
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.048	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzenethiol	ND		10	0.61	ug/L		10/12/25 13:38	10/14/25 18:29	1
Anthracene	ND		0.20	0.074	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzoic acid	ND		100	81	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzyl alcohol	ND	UJ	35	30	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/12/25 13:38	10/14/25 18:29	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/12/25 13:38	10/14/25 18:29	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/12/25 13:38	10/14/25 18:29	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/12/25 13:38	10/14/25 18:29	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/12/25 13:38	10/14/25 18:29	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 13:38	10/14/25 18:29	1
Chrysene	ND		0.20	0.040	ug/L		10/12/25 13:38	10/14/25 18:29	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 18:29	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Chloroaniline	ND		10	0.59	ug/L		10/12/25 13:38	10/14/25 18:29	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/12/25 13:38	10/14/25 18:29	1
Fluorene	ND		0.20	0.088	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Chlorophenol	ND		10	0.85	ug/L		10/12/25 13:38	10/14/25 18:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 13:38	10/14/25 18:29	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/12/25 13:38	10/14/25 18:29	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/12/25 13:38	10/14/25 18:29	1
Dibenzofuran	ND		10	0.65	ug/L		10/12/25 13:38	10/14/25 18:29	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/12/25 13:38	10/14/25 18:29	1
Phenanthrene	ND		0.20	0.045	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/12/25 13:38	10/14/25 18:29	1
Pyrene	ND		0.20	0.096	ug/L		10/12/25 13:38	10/14/25 18:29	1
Diethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4-Dimethylphenol	**8.2**	**J**	10	0.24	ug/L		10/12/25 13:38	10/14/25 18:29	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 18:29	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/12/25 13:38	10/14/25 18:29	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 13:38	10/14/25 18:29	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/12/25 13:38	10/14/25 18:29	1
1,4-Dioxane	ND		10	4.4	ug/L		10/12/25 13:38	10/14/25 18:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/12/25 13:38	10/14/25 18:29	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 13:38	10/14/25 18:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 13:38	10/14/25 18:29	1
Hexachloroethane	ND		10	0.54	ug/L		10/12/25 13:38	10/14/25 18:29	1
Indene	ND		10	0.45	ug/L		10/12/25 13:38	10/14/25 18:29	1

Client Sample ID: MW4-ROX-100925-DUP
Date Collected: 10/09/25 11:15
Date Received: 10/10/25 09:18

Lab Sample ID: 400-283945-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		10	0.81	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Methylphenol	**3.6**	**J**	10	0.77	ug/L		10/12/25 13:38	10/14/25 18:29	1
3 & 4 Methylphenol	**27**		20	4.7	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 13:38	10/14/25 18:29	1
3-Nitroaniline	ND		10	0.96	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 13:38	10/14/25 18:29	1
Nitrobenzene	ND		10	0.61	ug/L		10/12/25 13:38	10/14/25 18:29	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 13:38	10/14/25 18:29	1
4-Nitrophenol	ND		10	2.8	ug/L		10/12/25 13:38	10/14/25 18:29	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/12/25 13:38	10/14/25 18:29	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 13:38	10/14/25 18:29	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 13:38	10/14/25 18:29	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 13:38	10/14/25 18:29	1
Pyridine	ND		10	3.0	ug/L		10/12/25 13:38	10/14/25 18:29	1
Quinoline	ND		10	0.51	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/12/25 13:38	10/14/25 18:29	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 13:38	10/14/25 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
Terphenyl-d14	*61*		*43 - 147*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
2-Fluorobiphenyl	*66*		*25 - 139*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
Phenol-d5	*66*		*10 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
Terphenyl-d14	*61*		*28 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*10/12/25 13:38*	*10/14/25 18:29*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**270**		100	6.9	ug/L		10/12/25 13:38	10/15/25 16:07	10

Definitions/Glossary

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283945-1	TB-ROX-100925-8260-B	101	100	100	105
400-283945-3	MW4-ROX-100925-EB	99	99	101	104
400-283945-4 - DL	MW4-ROX-100925	98	99	101	105
400-283945-4	MW4-ROX-100925	93	103	90	105
400-283945-5 - DL	MW4-ROX-100925-DUP	99	99	100	105
400-283945-5	MW4-ROX-100925-DUP	94	101	88	104
LCS 500-838796/4	Lab Control Sample	95	100	99	103
LCS 500-838981/4	Lab Control Sample	91	102	89	104
LCSD 500-838796/5	Lab Control Sample Dup	97	99	96	104
LCSD 500-838981/5	Lab Control Sample Dup	91	101	85	104
MB 500-838796/8	Method Blank	99	98	98	105
MB 500-838981/7	Method Blank	93	101	87	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283945-2	TB-ROX-100925-8260SIM-B	111	89	89
400-283945-3	MW4-ROX-100925-EB	112	87	92
400-283945-4	MW4-ROX-100925	117	71	74
400-283945-5	MW4-ROX-100925-DUP	139	70	71
LCS 400-726973/1003	Lab Control Sample	110	90	93
LCS 400-727394/1002	Lab Control Sample	109	97	93
MB 400-726973/5	Method Blank	110	90	92
MB 400-727394/4	Method Blank	109	92	88

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283945-3	MW4-ROX-100925-EB	64	73	82	64	82	73	78	82
400-283945-4	MW4-ROX-100925	64	78	59	64	78	78	78	59
400-283945-5	MW4-ROX-100925-DUP	66	84	61	66	71	84	66	61
LCS 400-726498/25-A	Lab Control Sample				65	81	72	76	84
LCS 400-726498/2-A	Lab Control Sample	66	78	76	66	77	78	75	76
LCSD 400-726498/26-A	Lab Control Sample Dup				84	82	97	77	109

Surrogate Summary

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCSD 400-726498/3-A	Lab Control Sample Dup	65	78	79	65	87	78	87	79
MB 400-726498/1-A	Method Blank	69	80	83	69	64	80	51	83

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-283945-3	MW4-ROX-100925-EB	67
400-283945-4	MW4-ROX-100925	72
400-283945-5	MW4-ROX-100925-DUP	71
LCS 400-726498/25-A	Lab Control Sample	73
LCS 400-726498/2-A	Lab Control Sample	78
LCSD 400-726498/26-A	Lab Control Sample Dup	73
LCSD 400-726498/3-A	Lab Control Sample Dup	78
MB 400-726498/1-A	Method Blank	82

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283945-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-100925-8260-B
Lab Sample ID: 400-283945-1
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 08:42	MM	EET CHI

Client Sample ID: TB-ROX-100925-8260SIM-B
Lab Sample ID: 400-283945-2
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 09:13	WPD	EET PEN

Client Sample ID: MW4-ROX-100925-EB
Lab Sample ID: 400-283945-3
Date Collected: 10/09/25 09:45
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 10:29	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 09:37	WPD	EET PEN
Total/NA	Prep	3511			29.2 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 17:28	JAW	EET PEN
Total/NA	Prep	3511			29.2 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 17:28	JAW	EET PEN

Client Sample ID: MW4-ROX-100925
Lab Sample ID: 400-283945-4
Date Collected: 10/09/25 11:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	50000	5 mL	5 mL	838796	10/18/25 15:21	MM	EET CHI
Total/NA	Analysis	8260D		2000	5 mL	5 mL	838981	10/20/25 21:10	W1T	EET CHI
Total/NA	Analysis	8260D SIM		5	5 mL	5 mL	727394	10/20/25 20:21	WPD	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 17:59	JAW	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 17:59	JAW	EET PEN
Total/NA	Prep	3511	DL		29.4 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E	DL	10			726882	10/15/25 15:36	UI	EET PEN

Client Sample ID: MW4-ROX-100925-DUP
Lab Sample ID: 400-283945-5
Date Collected: 10/09/25 11:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	50000	5 mL	5 mL	838796	10/18/25 15:47	MM	EET CHI
Total/NA	Analysis	8260D		2000	5 mL	5 mL	838981	10/20/25 21:35	W1T	EET CHI
Total/NA	Analysis	8260D SIM		5	5 mL	5 mL	727394	10/20/25 20:44	WPD	EET PEN

Client Sample ID: MW4-ROX-100925-DUP
Lab Sample ID: 400-283945-5
Date Collected: 10/09/25 11:15
Matrix: Water
Date Received: 10/10/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			29.6 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 18:29	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 18:29	JAW	EET PEN
Total/NA	Prep	3511	DL		29.6 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E	DL	10			726882	10/15/25 16:07	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726498/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 14:54	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 14:54	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726973/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 07:37	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727394/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 11:46	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838796/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 07:49	MM	EET CHI

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838981/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838981	10/20/25 13:15	W1T	EET CHI

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-726498/25-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 15:09	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 16:27	JAW	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-726498/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 15:25	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 15:25	JAW	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-726973/1003**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	726973	10/16/25 06:37	WPD	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-727394/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727394	10/20/25 10:49	WPD	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 500-838796/4**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:04	MM	EET CHI

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 500-838981/4**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838981	10/20/25 11:58	W1T	EET CHI

Lab Chronicle

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726498/26-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 15:09	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 16:57	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726498/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726686	10/14/25 15:56	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726498	10/12/25 13:38	JPH	EET PEN
Total/NA	Analysis	8270E		1			726687	10/14/25 15:56	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838796/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:30	MM	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838981/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838981	10/20/25 12:23	W1T	EET CHI

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 726973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-2	TB-ROX-100925-8260SIM-B	Total/NA	Water	8260D SIM	
400-283945-3	MW4-ROX-100925-EB	Total/NA	Water	8260D SIM	
MB 400-726973/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-726973/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 727394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-4	MW4-ROX-100925	Total/NA	Water	8260D SIM	
400-283945-5	MW4-ROX-100925-DUP	Total/NA	Water	8260D SIM	
MB 400-727394/4	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727394/1002	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 838796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-1	TB-ROX-100925-8260-B	Total/NA	Water	8260D	
400-283945-3	MW4-ROX-100925-EB	Total/NA	Water	8260D	
400-283945-4 - DL	MW4-ROX-100925	Total/NA	Water	8260D	
400-283945-5 - DL	MW4-ROX-100925-DUP	Total/NA	Water	8260D	
MB 500-838796/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838796/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838796/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 838981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-4	MW4-ROX-100925	Total/NA	Water	8260D	
400-283945-5	MW4-ROX-100925-DUP	Total/NA	Water	8260D	
MB 500-838981/7	Method Blank	Total/NA	Water	8260D	
LCS 500-838981/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838981/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-3	MW4-ROX-100925-EB	Total/NA	Water	3511	
400-283945-4	MW4-ROX-100925	Total/NA	Water	3511	
400-283945-4 - DL	MW4-ROX-100925	Total/NA	Water	3511	
400-283945-5 - DL	MW4-ROX-100925-DUP	Total/NA	Water	3511	
400-283945-5	MW4-ROX-100925-DUP	Total/NA	Water	3511	
MB 400-726498/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726498/25-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726498/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726498/26-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-726498/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 726686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-3	MW4-ROX-100925-EB	Total/NA	Water	8270E	726498
400-283945-4	MW4-ROX-100925	Total/NA	Water	8270E	726498
400-283945-5	MW4-ROX-100925-DUP	Total/NA	Water	8270E	726498
MB 400-726498/1-A	Method Blank	Total/NA	Water	8270E	726498

GC/MS Semi VOA (Continued)

Analysis Batch: 726686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726498/2-A	Lab Control Sample	Total/NA	Water	8270E	726498
LCSD 400-726498/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	726498

Analysis Batch: 726687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-3	MW4-ROX-100925-EB	Total/NA	Water	8270E	726498
400-283945-4	MW4-ROX-100925	Total/NA	Water	8270E	726498
400-283945-5	MW4-ROX-100925-DUP	Total/NA	Water	8270E	726498
MB 400-726498/1-A	Method Blank	Total/NA	Water	8270E	726498
LCS 400-726498/25-A	Lab Control Sample	Total/NA	Water	8270E	726498
LCS 400-726498/2-A	Lab Control Sample	Total/NA	Water	8270E	726498
LCSD 400-726498/26-A	Lab Control Sample Dup	Total/NA	Water	8270E	726498
LCSD 400-726498/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	726498

Analysis Batch: 726882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283945-4 - DL	MW4-ROX-100925	Total/NA	Water	8270E	726498
400-283945-5 - DL	MW4-ROX-100925-DUP	Total/NA	Water	8270E	726498

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 07:49	1
Acrolein	ND		100	35	ug/L			10/18/25 07:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 07:49	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 07:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 07:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 07:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 07:49	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 07:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 07:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 07:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 07:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 07:49	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 07:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 07:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 07:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 07:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 07:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 07:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 07:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 07:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 07:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 07:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 07:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 07:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 07:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 07:49	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 07:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 07:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 07:49	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 07:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 07:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 07:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 07:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 07:49	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 07:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 07:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 07:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 07:49	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 07:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 07:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 07:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 07:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 07:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 07:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 07:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 07:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 07:49*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 07:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/18/25 07:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 07:49*	*1*

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	33.9		ug/L		68	40 - 143
Acrolein	2000	1770		ug/L		89	40 - 150
Acrylonitrile	500	535		ug/L		107	67 - 140
Benzene	50.0	47.6		ug/L		95	70 - 120
Bromobenzene	50.0	52.4		ug/L		105	70 - 122
Bromochloromethane	50.0	54.1		ug/L		108	65 - 122
Bromodichloromethane	50.0	48.5		ug/L		97	69 - 120
Bromoform	50.0	50.9		ug/L		102	56 - 132
Bromomethane	50.0	65.6		ug/L		131	40 - 152
2-Butanone (MEK)	50.0	32.2		ug/L		64	46 - 144
Carbon disulfide	50.0	40.2		ug/L		80	66 - 120
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	53.2		ug/L		106	70 - 120
Chloroethane	50.0	52.5		ug/L		105	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	49.5		ug/L		99	52 - 136
Chloroform	50.0	49.9		ug/L		100	70 - 120
Chloromethane	50.0	54.3		ug/L		109	56 - 152
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	64 - 127
Dibromochloromethane	50.0	53.2		ug/L		106	68 - 125
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 125
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	50.4		ug/L		101	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	44.6		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	43.7		ug/L		87	58 - 139
1,1-Dichloropropene	50.0	44.3		ug/L		89	70 - 121
Ethylbenzene	50.0	49.3		ug/L		99	70 - 123
Ethyl methacrylate	50.0	52.1		ug/L		104	63 - 129
Hexachlorobutadiene	50.0	52.5		ug/L		105	51 - 150
2-Hexanone	50.0	32.1		ug/L		64	54 - 146
Isopropylbenzene	50.0	46.5		ug/L		93	70 - 126
Methylene bromide	50.0	52.7		ug/L		105	70 - 120
Methylene Chloride	50.0	44.3		ug/L		89	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	33.1		ug/L		66	55 - 139
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 125
Naphthalene	50.0	52.4		ug/L		105	53 - 144
n-Butylbenzene	50.0	44.0		ug/L		88	68 - 125
N-Propylbenzene	50.0	46.2		ug/L		92	69 - 127
o-Chlorotoluene	50.0	46.6		ug/L		93	70 - 125
o-Xylene	50.0	46.4		ug/L		93	70 - 120
p-Chlorotoluene	50.0	47.6		ug/L		95	68 - 124
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	43.9		ug/L		88	70 - 123
Styrene	50.0	51.2		ug/L		102	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	48.4		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	51 - 145
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	57 - 137
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	56.6		ug/L		113	71 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	54.6		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
Vinyl acetate	50.0	62.8		ug/L		126	43 - 133
Vinyl chloride	50.0	52.1		ug/L		104	64 - 126
Xylenes, Total	100	92.0		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	35.2		ug/L		70	40 - 143	4	20
Acrolein	2000	1810		ug/L		90	40 - 150	2	20
Acrylonitrile	500	540		ug/L		108	67 - 140	1	20
Benzene	50.0	49.0		ug/L		98	70 - 120	3	20
Bromobenzene	50.0	56.1		ug/L		112	70 - 122	7	20
Bromochloromethane	50.0	56.9		ug/L		114	65 - 122	5	20
Bromodichloromethane	50.0	51.2		ug/L		102	69 - 120	5	20
Bromoform	50.0	52.4		ug/L		105	56 - 132	3	20
Bromomethane	50.0	63.7		ug/L		127	40 - 152	3	20
2-Butanone (MEK)	50.0	33.1		ug/L		66	46 - 144	3	20
Carbon disulfide	50.0	41.2		ug/L		82	66 - 120	2	20
Carbon tetrachloride	50.0	45.6		ug/L		91	59 - 133	4	20
Chlorobenzene	50.0	55.8		ug/L		112	70 - 120	5	20
Chloroethane	50.0	52.8		ug/L		106	48 - 136	1	20
2-Chloroethyl vinyl ether	50.0	52.2		ug/L		104	52 - 136	5	20
Chloroform	50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane	50.0	55.4		ug/L		111	56 - 152	2	20
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	64 - 127	5	20
Dibromochloromethane	50.0	57.0		ug/L		114	68 - 125	7	20
1,2-Dichlorobenzene	50.0	56.0		ug/L		112	70 - 125	6	20
1,3-Dichlorobenzene	50.0	54.6		ug/L		109	70 - 125	7	20
1,4-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 120	9	20
Dichlorodifluoromethane	50.0	48.6		ug/L		97	40 - 159	4	20
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 125	1	20
1,2-Dichloroethane	50.0	51.7		ug/L		103	68 - 127	2	20
1,1-Dichloroethene	50.0	44.3		ug/L		89	67 - 122	1	20
1,2-Dichloropropane	50.0	52.9		ug/L		106	67 - 130	2	20
1,3-Dichloropropane	50.0	55.4		ug/L		111	62 - 136	4	20
2,2-Dichloropropane	50.0	44.5		ug/L		89	58 - 139	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	46.1		ug/L		92	70 - 121	4	20
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123	5	20
Ethyl methacrylate			50.0	53.3		ug/L		107	63 - 129	2	20
Hexachlorobutadiene			50.0	56.8		ug/L		114	51 - 150	8	20
2-Hexanone			50.0	33.9		ug/L		68	54 - 146	6	20
Isopropylbenzene			50.0	50.0		ug/L		100	70 - 126	7	20
Methylene bromide			50.0	53.4		ug/L		107	70 - 120	1	20
Methylene Chloride			50.0	46.0		ug/L		92	69 - 125	4	20
4-Methyl-2-pentanone (MIBK)			50.0	34.1		ug/L		68	55 - 139	3	20
Methyl tert-butyl ether			50.0	49.0		ug/L		98	55 - 123	2	20
m-Xylene & p-Xylene			50.0	47.8		ug/L		96	70 - 125	5	20
Naphthalene			50.0	54.4		ug/L		109	53 - 144	4	20
n-Butylbenzene			50.0	47.6		ug/L		95	68 - 125	8	20
N-Propylbenzene			50.0	49.4		ug/L		99	69 - 127	7	20
o-Chlorotoluene			50.0	49.8		ug/L		100	70 - 125	7	20
o-Xylene			50.0	48.6		ug/L		97	70 - 120	5	20
p-Chlorotoluene			50.0	50.7		ug/L		101	68 - 124	6	20
p-Isopropyltoluene			50.0	49.6		ug/L		99	70 - 125	6	20
sec-Butylbenzene			50.0	47.5		ug/L		95	70 - 123	8	20
Styrene			50.0	53.3		ug/L		107	70 - 120	4	20
tert-Butylbenzene			50.0	48.2		ug/L		96	70 - 121	7	20
1,1,1,2-Tetrachloroethane			50.0	56.5		ug/L		113	70 - 125	4	20
1,1,2,2-Tetrachloroethane			50.0	56.1		ug/L		112	62 - 140	4	20
Tetrachloroethene			50.0	49.9		ug/L		100	70 - 128	6	20
Toluene			50.0	50.2		ug/L		100	70 - 125	4	20
trans-1,2-Dichloroethene			50.0	48.6		ug/L		97	70 - 125	5	20
trans-1,3-Dichloropropene			50.0	54.2		ug/L		108	62 - 128	4	20
1,2,3-Trichlorobenzene			50.0	56.8		ug/L		114	51 - 145	1	20
1,2,4-Trichlorobenzene			50.0	54.3		ug/L		109	57 - 137	5	20
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	70 - 125	6	20
1,1,2-Trichloroethane			50.0	59.3		ug/L		119	71 - 130	5	20
Trichloroethene			50.0	51.6		ug/L		103	70 - 125	5	20
Trichlorofluoromethane			50.0	46.2		ug/L		92	55 - 128	5	20
1,2,3-Trichloropropane			50.0	58.1		ug/L		116	50 - 133	6	20
1,2,4-Trimethylbenzene			50.0	50.3		ug/L		101	70 - 123	7	20
1,3,5-Trimethylbenzene			50.0	49.4		ug/L		99	70 - 123	6	20
Vinyl acetate			50.0	64.1		ug/L		128	43 - 133	2	20
Vinyl chloride			50.0	52.9		ug/L		106	64 - 126	2	20
Xylenes, Total			100	96.4		ug/L		96	70 - 125	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838981/7
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 13:15	1
Acrolein	ND		100	35	ug/L			10/20/25 13:15	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 13:15	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 13:15	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 13:15	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 13:15	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 13:15	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 13:15	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 13:15	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 13:15	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 13:15	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 13:15	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 13:15	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 13:15	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/20/25 13:15	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 13:15	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 13:15	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 13:15	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 13:15	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/20/25 13:15	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 13:15	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 13:15	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 13:15	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 13:15	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 13:15	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 13:15	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 13:15	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 13:15	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 13:15	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 13:15	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 13:15	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 13:15	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 13:15	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 13:15	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 13:15	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 13:15	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 13:15	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 13:15	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 13:15	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 13:15	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 13:15	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 13:15	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838981/7
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 13:15	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 13:15	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 13:15	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 13:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 13:15	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 13:15	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 13:15	1
1,2,3-Trichlorobenzene	0.497	J	1.0	0.35	ug/L			10/20/25 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 13:15	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 13:15	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 13:15	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 13:15	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 13:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 13:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 13:15	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 13:15	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/20/25 13:15	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/20/25 13:15*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*10/20/25 13:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*10/20/25 13:15*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/20/25 13:15*	*1*

Lab Sample ID: LCS 500-838981/4
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	42.2		ug/L		84	40 - 143
Acrolein	2000	1910		ug/L		96	40 - 150
Acrylonitrile	500	489		ug/L		98	67 - 140
Benzene	50.0	54.6		ug/L		109	70 - 120
Bromobenzene	50.0	50.0		ug/L		100	70 - 122
Bromochloromethane	50.0	56.3		ug/L		113	65 - 122
Bromodichloromethane	50.0	52.3		ug/L		105	69 - 120
Bromoform	50.0	55.3		ug/L		111	56 - 132
Bromomethane	50.0	51.9		ug/L		104	40 - 152
2-Butanone (MEK)	50.0	42.0		ug/L		84	46 - 144
Carbon disulfide	50.0	46.5		ug/L		93	66 - 120
Carbon tetrachloride	50.0	58.7		ug/L		117	59 - 133
Chlorobenzene	50.0	55.1		ug/L		110	70 - 120
Chloroethane	50.0	52.5		ug/L		105	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838981/4
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	54.1		ug/L		108	52 - 136
Chloroform	50.0	51.0		ug/L		102	70 - 120
Chloromethane	50.0	44.2		ug/L		88	56 - 152
cis-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 125
cis-1,3-Dichloropropene	50.0	53.9		ug/L		108	64 - 127
Dibromochloromethane	50.0	63.7	*+	ug/L		127	68 - 125
1,2-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 125
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 125
1,4-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 120
Dichlorodifluoromethane	50.0	48.1		ug/L		96	40 - 159
1,1-Dichloroethane	50.0	50.3		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	45.9		ug/L		92	68 - 127
1,1-Dichloroethene	50.0	50.2		ug/L		100	67 - 122
1,2-Dichloropropane	50.0	52.6		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	53.0		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	50.1		ug/L		100	58 - 139
1,1-Dichloropropene	50.0	50.2		ug/L		100	70 - 121
Ethylbenzene	50.0	54.7		ug/L		109	70 - 123
Ethyl methacrylate	50.0	56.8		ug/L		114	63 - 129
Hexachlorobutadiene	50.0	57.4		ug/L		115	51 - 150
2-Hexanone	50.0	42.9		ug/L		86	54 - 146
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126
Methylene bromide	50.0	52.8		ug/L		106	70 - 120
Methylene Chloride	50.0	52.5		ug/L		105	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	41.7		ug/L		83	55 - 139
Methyl tert-butyl ether	50.0	52.2		ug/L		104	55 - 123
m-Xylene & p-Xylene	50.0	53.4		ug/L		107	70 - 125
Naphthalene	50.0	44.2		ug/L		88	53 - 144
n-Butylbenzene	50.0	54.4		ug/L		109	68 - 125
N-Propylbenzene	50.0	50.9		ug/L		102	69 - 127
o-Chlorotoluene	50.0	48.8		ug/L		98	70 - 125
o-Xylene	50.0	53.4		ug/L		107	70 - 120
p-Chlorotoluene	50.0	48.5		ug/L		97	68 - 124
p-Isopropyltoluene	50.0	54.1		ug/L		108	70 - 125
sec-Butylbenzene	50.0	52.6		ug/L		105	70 - 123
Styrene	50.0	54.1		ug/L		108	70 - 120
tert-Butylbenzene	50.0	52.9		ug/L		106	70 - 121
1,1,1,2-Tetrachloroethane	50.0	63.3	*+	ug/L		127	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	62 - 140
Tetrachloroethene	50.0	56.5		ug/L		113	70 - 128
Toluene	50.0	54.8		ug/L		110	70 - 125
trans-1,2-Dichloroethene	50.0	54.2		ug/L		108	70 - 125
trans-1,3-Dichloropropene	50.0	53.5		ug/L		107	62 - 128
1,2,3-Trichlorobenzene	50.0	45.7		ug/L		91	51 - 145
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	50.9		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	54.3		ug/L		109	71 - 130
Trichloroethene	50.0	57.5		ug/L		115	70 - 125
Trichlorofluoromethane	50.0	45.4		ug/L		91	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838981/4
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	50 - 133
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 123
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 123
Vinyl acetate	50.0	40.9		ug/L		82	43 - 133
Vinyl chloride	50.0	57.8		ug/L		116	64 - 126
Xylenes, Total	100	107		ug/L		107	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: LCSD 500-838981/5
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	39.2		ug/L		78	40 - 143	7	20
Acrolein	2000	1810		ug/L		91	40 - 150	5	20
Acrylonitrile	500	459		ug/L		92	67 - 140	6	20
Benzene	50.0	49.5		ug/L		99	70 - 120	10	20
Bromobenzene	50.0	47.4		ug/L		95	70 - 122	5	20
Bromochloromethane	50.0	52.8		ug/L		106	65 - 122	6	20
Bromodichloromethane	50.0	48.9		ug/L		98	69 - 120	7	20
Bromoform	50.0	51.8		ug/L		104	56 - 132	6	20
Bromomethane	50.0	50.1		ug/L		100	40 - 152	3	20
2-Butanone (MEK)	50.0	39.0		ug/L		78	46 - 144	7	20
Carbon disulfide	50.0	43.6		ug/L		87	66 - 120	7	20
Carbon tetrachloride	50.0	54.2		ug/L		108	59 - 133	8	20
Chlorobenzene	50.0	51.5		ug/L		103	70 - 120	7	20
Chloroethane	50.0	49.7		ug/L		99	48 - 136	6	20
2-Chloroethyl vinyl ether	50.0	50.9		ug/L		102	52 - 136	6	20
Chloroform	50.0	46.3		ug/L		93	70 - 120	10	20
Chloromethane	50.0	42.8		ug/L		86	56 - 152	3	20
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 125	8	20
cis-1,3-Dichloropropene	50.0	50.9		ug/L		102	64 - 127	6	20
Dibromochloromethane	50.0	60.2		ug/L		120	68 - 125	6	20
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 125	5	20
1,3-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 125	3	20
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 120	5	20
Dichlorodifluoromethane	50.0	48.7		ug/L		97	40 - 159	1	20
1,1-Dichloroethane	50.0	46.6		ug/L		93	70 - 125	8	20
1,2-Dichloroethane	50.0	43.3		ug/L		87	68 - 127	6	20
1,1-Dichloroethene	50.0	45.8		ug/L		92	67 - 122	9	20
1,2-Dichloropropane	50.0	48.3		ug/L		97	67 - 130	9	20
1,3-Dichloropropane	50.0	49.7		ug/L		99	62 - 136	6	20
2,2-Dichloropropane	50.0	45.2		ug/L		90	58 - 139	10	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838981/5
Matrix: Water
Analysis Batch: 838981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	44.6		ug/L		89	70 - 121	12	20
Ethylbenzene			50.0	50.2		ug/L		100	70 - 123	9	20
Ethyl methacrylate			50.0	52.8		ug/L		106	63 - 129	7	20
Hexachlorobutadiene			50.0	55.2		ug/L		110	51 - 150	4	20
2-Hexanone			50.0	40.1		ug/L		80	54 - 146	7	20
Isopropylbenzene			50.0	47.6		ug/L		95	70 - 126	7	20
Methylene bromide			50.0	49.6		ug/L		99	70 - 120	6	20
Methylene Chloride			50.0	49.8		ug/L		100	69 - 125	5	20
4-Methyl-2-pentanone (MIBK)			50.0	38.9		ug/L		78	55 - 139	7	20
Methyl tert-butyl ether			50.0	48.5		ug/L		97	55 - 123	7	20
m-Xylene & p-Xylene			50.0	49.7		ug/L		99	70 - 125	7	20
Naphthalene			50.0	43.2		ug/L		86	53 - 144	2	20
n-Butylbenzene			50.0	50.9		ug/L		102	68 - 125	7	20
N-Propylbenzene			50.0	48.7		ug/L		97	69 - 127	4	20
o-Chlorotoluene			50.0	47.0		ug/L		94	70 - 125	4	20
o-Xylene			50.0	50.5		ug/L		101	70 - 120	6	20
p-Chlorotoluene			50.0	46.7		ug/L		93	68 - 124	4	20
p-Isopropyltoluene			50.0	51.4		ug/L		103	70 - 125	5	20
sec-Butylbenzene			50.0	49.7		ug/L		99	70 - 123	6	20
Styrene			50.0	51.2		ug/L		102	70 - 120	5	20
tert-Butylbenzene			50.0	49.7		ug/L		99	70 - 121	6	20
1,1,1,2-Tetrachloroethane			50.0	59.2		ug/L		118	70 - 125	7	20
1,1,2,2-Tetrachloroethane			50.0	44.5		ug/L		89	62 - 140	6	20
Tetrachloroethene			50.0	52.0		ug/L		104	70 - 128	8	20
Toluene			50.0	51.1		ug/L		102	70 - 125	7	20
trans-1,2-Dichloroethene			50.0	49.4		ug/L		99	70 - 125	9	20
trans-1,3-Dichloropropene			50.0	49.7		ug/L		99	62 - 128	7	20
1,2,3-Trichlorobenzene			50.0	45.9		ug/L		92	51 - 145	0	20
1,2,4-Trichlorobenzene			50.0	50.7		ug/L		101	57 - 137	3	20
1,1,1-Trichloroethane			50.0	47.1		ug/L		94	70 - 125	8	20
1,1,2-Trichloroethane			50.0	51.4		ug/L		103	71 - 130	5	20
Trichloroethene			50.0	52.8		ug/L		106	70 - 125	9	20
Trichlorofluoromethane			50.0	45.5		ug/L		91	55 - 128	0	20
1,2,3-Trichloropropane			50.0	46.3		ug/L		93	50 - 133	6	20
1,2,4-Trimethylbenzene			50.0	50.7		ug/L		101	70 - 123	4	20
1,3,5-Trimethylbenzene			50.0	49.9		ug/L		100	70 - 123	4	20
Vinyl acetate			50.0	35.3		ug/L		71	43 - 133	15	20
Vinyl chloride			50.0	54.4		ug/L		109	64 - 126	6	20
Xylenes, Total			100	100		ug/L		100	70 - 125	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-726973/5
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/16/25 07:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/16/25 07:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/16/25 07:37*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/16/25 07:37*	*1*
4-Bromofluorobenzene	*92*		*50 - 150*		*10/16/25 07:37*	*1*

Lab Sample ID: LCS 400-726973/1003
Matrix: Water
Analysis Batch: 726973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.411		ug/L		82	50 - 150
1,2-Dibromoethane	0.500	0.508		ug/L		102	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*110*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Lab Sample ID: MB 400-727394/4
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/20/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/20/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/20/25 11:46*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/20/25 11:46*	*1*
4-Bromofluorobenzene	*88*		*50 - 150*		*10/20/25 11:46*	*1*

Lab Sample ID: LCS 400-727394/1002
Matrix: Water
Analysis Batch: 727394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.494		ug/L		99	50 - 150
1,2-Dibromoethane	0.500	0.568		ug/L		114	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*109*		*50 - 150*
Toluene-d8 (Surr)	*97*		*50 - 150*
4-Bromofluorobenzene	*93*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726498/1-A
Matrix: Water
Analysis Batch: 726686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/12/25 13:38	10/14/25 14:54	1
Aniline	ND		10	0.74	ug/L		10/12/25 13:38	10/14/25 14:54	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzenethiol	ND		10	0.60	ug/L		10/12/25 13:38	10/14/25 14:54	1
Anthracene	ND		0.20	0.073	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzoic acid	ND		100	80	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzyl alcohol	ND		35	30	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/12/25 13:38	10/14/25 14:54	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/12/25 13:38	10/14/25 14:54	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/12/25 13:38	10/14/25 14:54	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/12/25 13:38	10/14/25 14:54	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/12/25 13:38	10/14/25 14:54	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/12/25 13:38	10/14/25 14:54	1
Chrysene	ND		0.20	0.039	ug/L		10/12/25 13:38	10/14/25 14:54	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Chloroaniline	ND		10	0.58	ug/L		10/12/25 13:38	10/14/25 14:54	1
Fluoranthene	ND		0.20	0.032	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/12/25 13:38	10/14/25 14:54	1
Fluorene	ND		0.20	0.087	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Chlorophenol	ND		10	0.84	ug/L		10/12/25 13:38	10/14/25 14:54	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/12/25 13:38	10/14/25 14:54	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/12/25 13:38	10/14/25 14:54	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/12/25 13:38	10/14/25 14:54	1
Dibenzofuran	ND		10	0.64	ug/L		10/12/25 13:38	10/14/25 14:54	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/12/25 13:38	10/14/25 14:54	1
Phenanthrene	ND		0.20	0.044	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/12/25 13:38	10/14/25 14:54	1
Pyrene	ND		0.20	0.095	ug/L		10/12/25 13:38	10/14/25 14:54	1
Diethyl phthalate	ND		10	4.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/12/25 13:38	10/14/25 14:54	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/12/25 13:38	10/14/25 14:54	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/12/25 13:38	10/14/25 14:54	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
1,4-Dioxane	ND		10	4.3	ug/L		10/12/25 13:38	10/14/25 14:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/12/25 13:38	10/14/25 14:54	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/12/25 13:38	10/14/25 14:54	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726498/1-A
Matrix: Water
Analysis Batch: 726687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/12/25 13:38	10/14/25 14:54	1
Hexachloroethane	ND		10	0.53	ug/L		10/12/25 13:38	10/14/25 14:54	1
Indene	ND		10	0.44	ug/L		10/12/25 13:38	10/14/25 14:54	1
Isophorone	ND		10	0.80	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Methylphenol	ND		10	0.76	ug/L		10/12/25 13:38	10/14/25 14:54	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Nitroaniline	ND		10	1.4	ug/L		10/12/25 13:38	10/14/25 14:54	1
3-Nitroaniline	ND		10	0.95	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Nitroaniline	ND		10	3.5	ug/L		10/12/25 13:38	10/14/25 14:54	1
Nitrobenzene	ND		10	0.60	ug/L		10/12/25 13:38	10/14/25 14:54	1
2-Nitrophenol	ND		10	1.2	ug/L		10/12/25 13:38	10/14/25 14:54	1
4-Nitrophenol	ND		10	2.7	ug/L		10/12/25 13:38	10/14/25 14:54	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/12/25 13:38	10/14/25 14:54	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/12/25 13:38	10/14/25 14:54	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/12/25 13:38	10/14/25 14:54	1
Pentachlorophenol	ND		10	2.8	ug/L		10/12/25 13:38	10/14/25 14:54	1
Phenol	ND		10	0.68	ug/L		10/12/25 13:38	10/14/25 14:54	1
Pyridine	ND		10	3.0	ug/L		10/12/25 13:38	10/14/25 14:54	1
Quinoline	ND		10	0.50	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/12/25 13:38	10/14/25 14:54	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/12/25 13:38	10/14/25 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
Terphenyl-d14	*83*		*43 - 147*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
2-Fluorobiphenyl	*69*		*25 - 139*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
2-Fluorophenol	*64*		*10 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
Nitrobenzene-d5	*80*		*22 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
Phenol-d5	*51*		*10 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
Terphenyl-d14	*83*		*28 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*10/12/25 13:38*	*10/14/25 14:54*	*1*

Lab Sample ID: LCS 400-726498/25-A
Matrix: Water
Analysis Batch: 726687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726498

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	24.3		ug/L		73	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*25 - 139*
2-Fluorophenol	*81*		*10 - 150*
Nitrobenzene-d5	*72*		*22 - 150*
Phenol-d5	*76*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*73*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726498/2-A
Matrix: Water
Analysis Batch: 726686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.8		ug/L		71	29 - 150
Aniline	33.3	26.7		ug/L		80	10 - 134
Acenaphthylene	33.3	23.2		ug/L		70	30 - 150
Anthracene	33.3	26.5		ug/L		79	31 - 150
Benzoic acid	152	169		ug/L		111	10 - 180
Benzo[a]anthracene	33.3	27.0		ug/L		81	36 - 150
Benzyl alcohol	33.3	ND		ug/L		85	10 - 150
Benzo[a]pyrene	33.3	26.8		ug/L		80	29 - 150
Bis(2-chloroethoxy)methane	33.3	28.4		ug/L		85	34 - 120
Benzo[b]fluoranthene	33.3	28.8		ug/L		86	32 - 150
Bis(2-chloroethyl)ether	33.3	25.1		ug/L		75	32 - 114
Benzo[g,h,i]perylene	33.3	26.5		ug/L		79	28 - 150
bis (2-chloroisopropyl) ether	33.3	24.3		ug/L		73	32 - 115
Benzo[k]fluoranthene	33.3	27.0		ug/L		81	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	25.8		ug/L		77	24 - 133
4-Bromophenyl phenyl ether	33.3	26.5		ug/L		80	24 - 120
Chrysene	33.3	26.7		ug/L		80	34 - 150
Butyl benzyl phthalate	33.3	18.8		ug/L		56	24 - 140
Dibenz(a,h)anthracene	33.3	25.6		ug/L		77	29 - 150
4-Chloroaniline	33.3	26.6		ug/L		80	10 - 150
Fluoranthene	33.3	26.1		ug/L		78	30 - 150
4-Chloro-3-methylphenol	33.3	28.5		ug/L		85	10 - 137
Fluorene	33.3	24.5		ug/L		73	30 - 150
2-Chloronaphthalene	33.3	23.0		ug/L		69	10 - 150
2-Chlorophenol	33.3	26.1		ug/L		78	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	23.9		ug/L		72	28 - 150
1-Methylnaphthalene	33.3	22.0		ug/L		66	25 - 150
4-Chlorophenyl phenyl ether	33.3	24.9		ug/L		75	31 - 110
2-Methylnaphthalene	33.3	23.9		ug/L		72	24 - 150
Dibenz[a,h]acridine	33.3	31.2		ug/L		94	40 - 150
Dibenzofuran	33.3	24.4		ug/L		73	35 - 110
3,3'-Dichlorobenzidine	66.7	28.1		ug/L		42	10 - 150
Phenanthrene	33.3	25.5		ug/L		77	32 - 150
2,4-Dichlorophenol	33.3	26.4		ug/L		79	30 - 125
Pyrene	33.3	26.8		ug/L		80	30 - 150
Diethyl phthalate	33.3	13.7		ug/L		41	31 - 118
2,4-Dimethylphenol	33.3	22.2		ug/L		67	10 - 142
Dimethyl phthalate	33.3	15.9		ug/L		48	24 - 125
Di-n-butyl phthalate	33.3	15.8		ug/L		47	30 - 127
4,6-Dinitro-ortho-cresol	66.7	58.8		ug/L		88	10 - 150
2,4-Dinitrophenol	66.7	61.3		ug/L		92	10 - 150
2,4-Dinitrotoluene	33.3	25.0		ug/L		75	30 - 129
2,6-Dinitrotoluene	33.3	28.5		ug/L		86	34 - 132
Di-n-octyl phthalate	33.3	26.1		ug/L		78	28 - 142
1,4-Dioxane	33.3	30.7		ug/L		92	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.8		ug/L		77	29 - 121
Hexachlorobenzene	33.3	25.6		ug/L		77	29 - 113
Hexachlorocyclopentadiene	33.3	23.0		ug/L		69	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726498/2-A
Matrix: Water
Analysis Batch: 726687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726498

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachloroethane			33.3	22.8		ug/L		68	10 - 112		
Indene			33.3	19.9		ug/L		60	10 - 113		
Isophorone			33.3	28.5		ug/L		86	29 - 125		
2-Methylphenol			33.3	25.9		ug/L		78	11 - 121		
3 & 4 Methylphenol			33.3	29.2		ug/L		88	10 - 150		
2-Nitroaniline			33.3	27.0		ug/L		81	31 - 141		
3-Nitroaniline			33.3	23.2		ug/L		70	33 - 136		
4-Nitroaniline			33.3	22.6		ug/L		68	37 - 139		
Nitrobenzene			33.3	27.0		ug/L		81	29 - 129		
2-Nitrophenol			33.3	27.2		ug/L		82	31 - 142		
4-Nitrophenol			66.7	67.8		ug/L		102	10 - 150		
N-Nitrosodimethylamine			33.3	31.2		ug/L		94	10 - 136		
N-Nitrosodi-n-propylamine			33.3	25.5		ug/L		77	53 - 134		
N-Nitrosodiphenylamine			33.1	25.9		ug/L		78	62 - 132		
Pentachlorophenol			66.7	61.7		ug/L		93	14 - 150		
Phenol			33.3	28.5		ug/L		85	10 - 150		
Pyridine			66.7	62.4		ug/L		94	10 - 150		
Quinoline			33.3	31.4		ug/L		95	50 - 150		
2,4,5-Trichlorophenol			33.3	26.0		ug/L		78	27 - 136		
2,4,6-Trichlorophenol			33.3	26.1		ug/L		78	21 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*15 - 150*
Nitrobenzene-d5	*78*		*50 - 150*
Terphenyl-d14	*76*		*43 - 147*
2-Fluorobiphenyl	*66*		*25 - 139*
2-Fluorophenol	*77*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*76*		*28 - 150*
2,4,6-Tribromophenol	*78*		*10 - 150*

Lab Sample ID: LCSD 400-726498/26-A
Matrix: Water
Analysis Batch: 726687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726498

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	23.2		ug/L		70	10 - 150	5	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*25 - 139*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*97*		*22 - 150*
Phenol-d5	*77*		*10 - 150*
Terphenyl-d14	*109*		*28 - 150*
2,4,6-Tribromophenol	*73*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-726498/3-A
Matrix: Water
Analysis Batch: 726686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726498

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	25.3		ug/L		76	29 - 150	6	40
Aniline			33.3	28.1		ug/L		84	10 - 134	5	40
Acenaphthylene			33.3	25.0		ug/L		75	30 - 150	7	40
Anthracene			33.3	28.2		ug/L		85	31 - 150	6	40
Benzoic acid			152	194		ug/L		128	10 - 180	14	40
Benzo[a]anthracene			33.3	29.1		ug/L		87	36 - 150	7	40
Benzyl alcohol			33.3	31.1	J	ug/L		93	10 - 150	9	40
Benzo[a]pyrene			33.3	28.2		ug/L		85	29 - 150	5	40
Bis(2-chloroethoxy)methane			33.3	28.6		ug/L		86	34 - 120	1	40
Benzo[b]fluoranthene			33.3	30.9		ug/L		93	32 - 150	7	40
Bis(2-chloroethyl)ether			33.3	26.9		ug/L		81	32 - 114	7	40
Benzo[g,h,i]perylene			33.3	27.8		ug/L		83	28 - 150	5	40
bis (2-chloroisopropyl) ether			33.3	26.5		ug/L		80	32 - 115	9	40
Benzo[k]fluoranthene			33.3	27.2		ug/L		82	30 - 150	1	40
Bis(2-ethylhexyl) phthalate			33.3	27.8		ug/L		84	24 - 133	8	40
4-Bromophenyl phenyl ether			33.3	27.7		ug/L		83	24 - 120	4	40
Chrysene			33.3	29.4		ug/L		88	34 - 150	10	40
Butyl benzyl phthalate			33.3	21.2		ug/L		64	24 - 140	12	40
Dibenz(a,h)anthracene			33.3	26.8		ug/L		80	29 - 150	5	40
4-Chloroaniline			33.3	27.4		ug/L		82	10 - 150	3	40
Fluoranthene			33.3	27.7		ug/L		83	30 - 150	6	40
4-Chloro-3-methylphenol			33.3	27.6		ug/L		83	10 - 137	3	40
Fluorene			33.3	26.2		ug/L		79	30 - 150	7	40
2-Chloronaphthalene			33.3	29.3		ug/L		88	10 - 150	24	40
2-Chlorophenol			33.3	28.4		ug/L		85	28 - 127	9	40
Indeno[1,2,3-cd]pyrene			33.3	25.1		ug/L		75	28 - 150	5	40
1-Methylnaphthalene			33.3	22.2		ug/L		67	25 - 150	1	40
4-Chlorophenyl phenyl ether			33.3	26.8		ug/L		80	31 - 110	7	40
2-Methylnaphthalene			33.3	24.3		ug/L		73	24 - 150	1	40
Dibenz[a,h]acridine			33.3	32.9		ug/L		99	40 - 150	5	40
Dibenzofuran			33.3	25.8		ug/L		77	35 - 110	6	40
3,3'-Dichlorobenzidine			66.7	29.9		ug/L		45	10 - 150	6	40
Phenanthrene			33.3	27.3		ug/L		82	32 - 150	7	40
2,4-Dichlorophenol			33.3	26.6		ug/L		80	30 - 125	1	40
Pyrene			33.3	28.9		ug/L		87	30 - 150	8	40
Diethyl phthalate			33.3	14.5		ug/L		43	31 - 118	6	40
2,4-Dimethylphenol			33.3	22.3		ug/L		67	10 - 142	0	40
Dimethyl phthalate			33.3	16.5		ug/L		50	24 - 125	4	40
Di-n-butyl phthalate			33.3	17.0		ug/L		51	30 - 127	7	40
4,6-Dinitro-ortho-cresol			66.7	62.1		ug/L		93	10 - 150	5	40
2,4-Dinitrophenol			66.7	64.9		ug/L		97	10 - 150	6	40
2,4-Dinitrotoluene			33.3	27.3		ug/L		82	30 - 129	9	40
2,6-Dinitrotoluene			33.3	30.8		ug/L		92	34 - 132	8	40
Di-n-octyl phthalate			33.3	28.4		ug/L		85	28 - 142	9	40
1,4-Dioxane			33.3	34.3		ug/L		103	10 - 137	11	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	27.6		ug/L		83	29 - 121	7	40
Hexachlorobenzene			33.3	27.0		ug/L		81	29 - 113	5	40
Hexachlorocyclopentadiene			33.3	23.3		ug/L		70	10 - 150	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-726498/3-A
Matrix: Water
Analysis Batch: 726687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726498

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	24.1		ug/L		72	10 - 112	6	40
Indene			33.3	21.8		ug/L		65	10 - 113	9	40
Isophorone			33.3	30.4		ug/L		91	29 - 125	6	40
2-Methylphenol			33.3	28.3		ug/L		85	11 - 121	9	40
3 & 4 Methylphenol			33.3	32.0		ug/L		96	10 - 150	9	40
2-Nitroaniline			33.3	29.4		ug/L		88	31 - 141	8	40
3-Nitroaniline			33.3	25.8		ug/L		77	33 - 136	10	40
4-Nitroaniline			33.3	23.8		ug/L		71	37 - 139	5	40
Nitrobenzene			33.3	28.8		ug/L		86	29 - 129	6	40
2-Nitrophenol			33.3	27.3		ug/L		82	31 - 142	0	40
4-Nitrophenol			66.7	76.4		ug/L		115	10 - 150	12	40
N-Nitrosodimethylamine			33.3	35.2		ug/L		106	10 - 136	12	40
N-Nitrosodi-n-propylamine			33.3	27.8		ug/L		83	53 - 134	9	40
N-Nitrosodiphenylamine			33.1	27.7		ug/L		84	62 - 132	7	40
Pentachlorophenol			66.7	63.4		ug/L		95	14 - 150	3	40
Phenol			33.3	34.1		ug/L		102	10 - 150	18	40
Pyridine			66.7	69.8		ug/L		105	10 - 150	11	40
Quinoline			33.3	31.4		ug/L		95	50 - 150	0	40
2,4,5-Trichlorophenol			33.3	27.2		ug/L		82	27 - 136	4	40
2,4,6-Trichlorophenol			33.3	27.4		ug/L		82	21 - 132	5	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*15 - 150*
Nitrobenzene-d5	*78*		*50 - 150*
Terphenyl-d14	*79*		*43 - 147*
2-Fluorobiphenyl	*65*		*25 - 139*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*79*		*28 - 150*
2,4,6-Tribromophenol	*78*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/9/2025
PO #	**GSAP Project ID**	PAGE. 2 of 2
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway, 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Erika Neal

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100925-8260-B	10/9/2025	0000	Water	2					2	X			
	TB-ROX-100925-8260SIM-B	10/9/2025	0000	Water	2					2		X		
	MW4-ROX-100925-EB	10/9/2025	0945	Water	6			4		10	X	X	X	X
	MW4-ROX-100925	10/9/2025	1115	Water	6			4		10	X	X	X	X
	MW4-ROX-100925-DUP	10/9/2025	1115	Water	6			4		10	X	X	X	X

400-283945 Chain of Custody

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX. SEE PG 1	Date: 10/9/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) NB 0.5 IR10	Date: 10/10/25	Time: 918

Version: 21July25

CUSTODY SEALS: SEE PG 1

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola, 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/9/2025
PO #	**GSAP Project ID**	PAGE. 2 of 2
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Erika Neal

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

FIELD NOTES:

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-100925-8260-B	10/9/2025	0000	Water	2					2	X			
	TB-ROX-100925-8260SIM-B	10/9/2025	0000	Water	2					2		X		
	MW4-ROX-100925-EB	10/9/2025	0945	Water	6			4		10	X	X	X	X
	MW4-ROX-100925	10/9/2025	1115	Water	6			4		10	X	X	X	X
	MW4-ROX-100925-DUP	10/9/2025	1115	Water	6			4		10	X	X	X	X

400-283945 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: SEE PG 1	10/9/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) 0.5 IR10	10/10/25	918

Version: 21July25

CUSTODY SEALS. SEE PG 1

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Klingensmith, Leah	Carrier Tracking No(s): N/A	COC No.: 400-387175 1
Client Contact: Shipping/Receiving	Phone: N/A	E Mail: Leah Klingensmith@et eurofinsus com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - Illinois		Job #: 400-283945-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 10/21/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: ROXANA QUARTERLY GW	Project #: 40006124			
Site: N/A	SSOW#: N/A			

400-283945 COC

Preservation Codes:

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX-100925-8260-B (400-283945-1)	10/9/25	Central	G	Water			X	2	
MW4-ROX-100925-EB (400-283945-3)	10/9/25	09 45 Central	G	Water			X	3	
MW4-ROX-100925 (400-283945-4)	10/9/25	11 15 Central	G	Water			X	3	
MW4-ROX-100925-DUP (400-283945-5)	10/9/25	11 15 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10/13/25 1700	EEC		10/14/25 0845	EEC
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.1 →0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283945-1

Login Number: 283945
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283945-1

Login Number: 283945
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/14/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283945-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-283996-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/4/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/12/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
P54-ROX-101025 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	52-136/20

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-101025	VOCs	2-Chloroethyl vinyl ether	UJ

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-726759/2-A	VOCs	2-Chloronaphthalene	**159**	NA	10 - 150

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) and continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-101025	VOCs	Acrolein	UJ
MW3-ROX-101025	VOCs	Acetone	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

MW3-ROX-101025	VOCs	2-Butanone (MEK)	UJ
MW3-ROX-101025	VOCs	2-Hexanone	UJ
MW3-ROX-101025	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
MW5-ROX-101025	VOCs	Acrolein	UJ
MW5-ROX-101025	VOCs	Acetone	UJ
MW5-ROX-101025	VOCs	2-Butanone (MEK)	UJ
MW5-ROX-101025	VOCs	2-Hexanone	UJ
MW5-ROX-101025	VOCs	4-Methyl-2-pentanone (MIBK)	UJ
P54-ROX-101025	VOCs	Acrolein	UJ
P54-ROX-101025	VOCs	Acetone	UJ
P54-ROX-101025	VOCs	2-Butanone (MEK)	UJ
P54-ROX-101025	VOCs	2-Hexanone	UJ
P54-ROX-101025	VOCs	4-Methyl-2-pentanone (MIBK)	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for Dimethyl phthalate and Diethyl phthalate were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-101025	SVOCs	Dimethyl phthalate	UJ
P54-ROX-101025	SVOCs	Diethyl phthalate	UJ
MW3-ROX-101025	SVOCs	Dimethyl phthalate	UJ
MW3-ROX-101025	SVOCs	Diethyl phthalate	UJ
MW5-ROX-101025	SVOCs	Dimethyl phthalate	UJ
MW5-ROX-101025	SVOCs	Diethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/27/2025 12:48:16 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-283996-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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10/27/2025 12:48:16 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-283996-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/11/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-838796 was below the method criteria for the following analyte(s): Acetone, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-838796 was above the method criteria for the following analyte(s): Bromomethane, 1,2,3-Trichlorobenzene, Vinyl acetate and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-838796 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. Additionally, preserved vials were provided by client. 2 Chloroethyl vinyl ether is know to degrade in the presence of acid. This compound had 0% recovery in the MS/MSD.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-718787 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered above the upper control limit for Benzoic acid. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727077 recovered outside acceptance criteria, low biased, for Dimethyl phthalate and Diethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-726759 and analytical batch 400-727077 recovered outside control limits for the following analytes: 2-Chloronaphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: Surrogate recovery for the following sample was outside the upper control limit: MW5-ROX-101025

Job ID: 400-283996-1 (Continued)

(400-283996-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-283996-1	TB-ROX-101025-8260	Water	10/10/25 00:00	10/11/25 09:20	Illinois
400-283996-2	TB-ROX-101025-8260SIM	Water	10/10/25 00:00	10/11/25 09:20	Illinois
400-283996-3	MW3-ROX-101025	Water	10/10/25 09:55	10/11/25 09:20	Illinois
400-283996-4	MW5-ROX-101025	Water	10/10/25 11:15	10/11/25 09:20	Illinois
400-283996-5	P54-ROX-101025	Water	10/10/25 13:40	10/11/25 09:20	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Client Sample ID: TB-ROX-101025-8260 — Lab Sample ID: 400-283996-1

No Detections.

Client Sample ID: TB-ROX-101025-8260SIM — Lab Sample ID: 400-283996-2

No Detections.

Client Sample ID: MW3-ROX-101025 — Lab Sample ID: 400-283996-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.23	J	0.50	0.18	ug/L	1		8260D	Total/NA
Pyridine	4.8	J	10	3.0	ug/L	1		8270E	Total/NA

Client Sample ID: MW5-ROX-101025 — Lab Sample ID: 400-283996-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.50	0.18	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	2.7		1.0	0.43	ug/L	1		8260D	Total/NA
tert-Butylbenzene	2.1		1.0	0.26	ug/L	1		8260D	Total/NA

Client Sample ID: P54-ROX-101025 — Lab Sample ID: 400-283996-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Client Sample ID: TB-ROX-101025-8260
Date Collected: 10/10/25 00:00
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 09:35	1
Acrolein	ND		100	35	ug/L			10/18/25 09:35	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 09:35	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 09:35	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 09:35	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 09:35	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 09:35	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 09:35	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 09:35	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 09:35	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 09:35	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 09:35	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 09:35	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 09:35	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 09:35	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 09:35	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 09:35	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 09:35	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 09:35	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 09:35	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 09:35	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 09:35	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 09:35	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 09:35	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 09:35	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 09:35	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 09:35	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 09:35	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 09:35	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 09:35	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 09:35	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 09:35	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 09:35	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 09:35	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 09:35	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 09:35	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 09:35	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 09:35	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 09:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 09:35	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 09:35	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 09:35	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 09:35	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 09:35	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 09:35	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 09:35	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 09:35	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 09:35	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 09:35	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Client Sample ID: TB-ROX-101025-8260
Date Collected: 10/10/25 00:00
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 09:35	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 09:35	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 09:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 09:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 09:35	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 09:35	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 09:35	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 09:35	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 09:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 09:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 09:35	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 09:35	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 09:35	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 09:35	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 09:35	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 09:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 09:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 09:35	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 09:35	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 09:35	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 09:35*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*10/18/25 09:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/18/25 09:35*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/18/25 09:35*	*1*

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101025-8260SIM
Lab Sample ID: 400-283996-2
Date Collected: 10/10/25 00:00
Matrix: Water
Date Received: 10/11/25 09:20

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 09:04	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*118*		*50 - 150*		*10/22/25 09:04*	*1*
Toluene-d8 (Surr)	*81*		*50 - 150*		*10/22/25 09:04*	*1*
4-Bromofluorobenzene	*76*		*50 - 150*		*10/22/25 09:04*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Client Sample ID: MW3-ROX-101025

Date Collected: 10/10/25 09:55
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 11:24	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*120*		*50 - 150*		*10/22/25 11:24*	*1*
Toluene-d8 (Surr)	*77*		*50 - 150*		*10/22/25 11:24*	*1*
4-Bromofluorobenzene	*77*		*50 - 150*		*10/22/25 11:24*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 12:15	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 12:15	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 12:15	1
Benzene	**0.23**	**J**	0.50	0.18	ug/L			10/18/25 12:15	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 12:15	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 12:15	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 12:15	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 12:15	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 12:15	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 12:15	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 12:15	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 12:15	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 12:15	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 12:15	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 12:15	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 12:15	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 12:15	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 12:15	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 12:15	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 12:15	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 12:15	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 12:15	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 12:15	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 12:15	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 12:15	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 12:15	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 12:15	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 12:15	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 12:15	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 12:15	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 12:15	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 12:15	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 12:15	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 12:15	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 12:15	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 12:15	1

Client Sample ID: MW3-ROX-101025
Date Collected: 10/10/25 09:55
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 12:15	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 12:15	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 12:15	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 12:15	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 12:15	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 12:15	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 12:15	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 12:15	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 12:15	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 12:15	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 12:15	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 12:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 12:15	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 12:15	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 12:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 12:15	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 12:15	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 12:15	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 12:15	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 12:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 12:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 12:15	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 12:15	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 12:15	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/18/25 12:15*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/18/25 12:15*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 12:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/14/25 13:06	10/16/25 22:40	1
Aniline	ND		10	0.75	ug/L		10/14/25 13:06	10/16/25 22:40	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzenethiol	ND		10	0.61	ug/L		10/14/25 13:06	10/16/25 22:40	1
Anthracene	ND		0.20	0.074	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzoic acid	ND		100	81	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/14/25 13:06	10/16/25 22:40	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/14/25 13:06	10/16/25 22:40	1

Client Sample ID: MW3-ROX-101025
Date Collected: 10/10/25 09:55
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/14/25 13:06	10/16/25 22:40	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/14/25 13:06	10/16/25 22:40	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/14/25 13:06	10/16/25 22:40	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 13:06	10/16/25 22:40	1
Chrysene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 22:40	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 22:40	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Chloroaniline	ND		10	0.59	ug/L		10/14/25 13:06	10/16/25 22:40	1
Fluoranthene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 22:40	1
Fluorene	ND		0.20	0.088	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Chloronaphthalene	ND	*+	10	0.39	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Chlorophenol	ND		10	0.85	ug/L		10/14/25 13:06	10/16/25 22:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 22:40	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/14/25 13:06	10/16/25 22:40	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/14/25 13:06	10/16/25 22:40	1
Dibenzofuran	ND		10	0.65	ug/L		10/14/25 13:06	10/16/25 22:40	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/14/25 13:06	10/16/25 22:40	1
Phenanthrene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/14/25 13:06	10/16/25 22:40	1
Pyrene	ND		0.20	0.096	ug/L		10/14/25 13:06	10/16/25 22:40	1
Diethyl phthalate	ND	UJ	10	4.1	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 22:40	1
Dimethyl phthalate	ND	UJ	10	4.1	ug/L		10/14/25 13:06	10/16/25 22:40	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/14/25 13:06	10/16/25 22:40	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/14/25 13:06	10/16/25 22:40	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 22:40	1
1,4-Dioxane	ND		10	4.4	ug/L		10/14/25 13:06	10/16/25 22:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/14/25 13:06	10/16/25 22:40	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 13:06	10/16/25 22:40	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 13:06	10/16/25 22:40	1
Hexachloroethane	ND		10	0.54	ug/L		10/14/25 13:06	10/16/25 22:40	1
Indene	ND		10	0.45	ug/L		10/14/25 13:06	10/16/25 22:40	1
Isophorone	ND		10	0.81	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Methylphenol	ND		10	0.77	ug/L		10/14/25 13:06	10/16/25 22:40	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 13:06	10/16/25 22:40	1
3-Nitroaniline	ND		10	0.96	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 13:06	10/16/25 22:40	1
Nitrobenzene	ND		10	0.61	ug/L		10/14/25 13:06	10/16/25 22:40	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 13:06	10/16/25 22:40	1
4-Nitrophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 22:40	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Client Sample ID: MW3-ROX-101025
Date Collected: 10/10/25 09:55
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/14/25 13:06	10/16/25 22:40	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 13:06	10/16/25 22:40	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 13:06	10/16/25 22:40	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 22:40	1
Phenol	ND		10	0.69	ug/L		10/14/25 13:06	10/16/25 22:40	1
Pyridine	**4.8**	**J**	10	3.0	ug/L		10/14/25 13:06	10/16/25 22:40	1
Quinoline	ND		10	0.51	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/14/25 13:06	10/16/25 22:40	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 13:06	10/16/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
Nitrobenzene-d5	*61*		*50 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
Terphenyl-d14	*64*		*43 - 147*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
Nitrobenzene-d5	*61*		*22 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
Phenol-d5	*60*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
Terphenyl-d14	*64*		*28 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*
2,4,6-Tribromophenol	*96*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:40*	*1*

Client Sample ID: MW5-ROX-101025
Date Collected: 10/10/25 11:15
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 11:47	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*122*		*50 - 150*		*10/22/25 11:47*	*1*
Toluene-d8 (Surr)	*78*		*50 - 150*		*10/22/25 11:47*	*1*
4-Bromofluorobenzene	*75*		*50 - 150*		*10/22/25 11:47*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 12:42	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 12:42	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 12:42	1
Benzene	**1.1**		0.50	0.18	ug/L			10/18/25 12:42	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 12:42	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 12:42	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 12:42	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 12:42	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 12:42	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 12:42	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 12:42	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 12:42	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 12:42	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 12:42	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 12:42	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 12:42	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 12:42	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 12:42	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 12:42	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 12:42	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 12:42	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 12:42	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 12:42	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 12:42	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 12:42	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 12:42	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 12:42	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 12:42	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 12:42	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 12:42	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 12:42	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 12:42	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 12:42	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 12:42	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 12:42	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 12:42	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 12:42	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 12:42	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 12:42	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 12:42	1

Client Sample ID: MW5-ROX-101025
Date Collected: 10/10/25 11:15
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**2.7**		1.0	0.43	ug/L			10/18/25 12:42	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 12:42	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 12:42	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 12:42	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 12:42	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 12:42	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 12:42	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 12:42	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 12:42	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 12:42	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 12:42	1
tert-Butylbenzene	**2.1**		1.0	0.26	ug/L			10/18/25 12:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 12:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 12:42	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 12:42	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 12:42	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 12:42	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 12:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 12:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 12:42	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 12:42	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 12:42	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 12:42	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 12:42	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 12:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 12:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 12:42	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 12:42	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 12:42	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*10/18/25 12:42*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 12:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/18/25 12:42*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/18/25 12:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/14/25 13:06	10/16/25 23:10	1
Aniline	ND		10	0.76	ug/L		10/14/25 13:06	10/16/25 23:10	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzenethiol	ND		10	0.61	ug/L		10/14/25 13:06	10/16/25 23:10	1
Anthracene	ND		0.20	0.074	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzoic acid	ND		100	82	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzyl alcohol	ND		36	31	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/14/25 13:06	10/16/25 23:10	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/14/25 13:06	10/16/25 23:10	1

Client Sample ID: MW5-ROX-101025
Date Collected: 10/10/25 11:15
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/14/25 13:06	10/16/25 23:10	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/14/25 13:06	10/16/25 23:10	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/14/25 13:06	10/16/25 23:10	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 13:06	10/16/25 23:10	1
Chrysene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 23:10	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Chloroaniline	ND		10	0.59	ug/L		10/14/25 13:06	10/16/25 23:10	1
Fluoranthene	ND		0.20	0.033	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 23:10	1
Fluorene	ND		0.20	0.089	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Chloronaphthalene	ND	*+	10	0.39	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Chlorophenol	ND		10	0.86	ug/L		10/14/25 13:06	10/16/25 23:10	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/14/25 13:06	10/16/25 23:10	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/14/25 13:06	10/16/25 23:10	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/14/25 13:06	10/16/25 23:10	1
Dibenzofuran	ND		10	0.65	ug/L		10/14/25 13:06	10/16/25 23:10	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/14/25 13:06	10/16/25 23:10	1
Phenanthrene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/14/25 13:06	10/16/25 23:10	1
Pyrene	ND		0.20	0.097	ug/L		10/14/25 13:06	10/16/25 23:10	1
Diethyl phthalate	ND	UJ	10	4.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 23:10	1
Dimethyl phthalate	ND	UJ	10	4.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/14/25 13:06	10/16/25 23:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4-Dinitrophenol	ND		31	4.8	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/14/25 13:06	10/16/25 23:10	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
1,4-Dioxane	ND		10	4.4	ug/L		10/14/25 13:06	10/16/25 23:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/14/25 13:06	10/16/25 23:10	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/14/25 13:06	10/16/25 23:10	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/14/25 13:06	10/16/25 23:10	1
Hexachloroethane	ND		10	0.54	ug/L		10/14/25 13:06	10/16/25 23:10	1
Indene	ND		10	0.45	ug/L		10/14/25 13:06	10/16/25 23:10	1
Isophorone	ND		10	0.82	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Methylphenol	ND		10	0.78	ug/L		10/14/25 13:06	10/16/25 23:10	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 13:06	10/16/25 23:10	1
3-Nitroaniline	ND		10	0.97	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Nitroaniline	ND		10	3.6	ug/L		10/14/25 13:06	10/16/25 23:10	1
Nitrobenzene	ND		10	0.61	ug/L		10/14/25 13:06	10/16/25 23:10	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 13:06	10/16/25 23:10	1
4-Nitrophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 23:10	1

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW5-ROX-101025
Lab Sample ID: 400-283996-4
Date Collected: 10/10/25 11:15
Matrix: Water
Date Received: 10/11/25 09:20

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/14/25 13:06	10/16/25 23:10	1
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/14/25 13:06	10/16/25 23:10	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 13:06	10/16/25 23:10	1
Pentachlorophenol	ND		10	2.9	ug/L		10/14/25 13:06	10/16/25 23:10	1
Phenol	ND		10	0.69	ug/L		10/14/25 13:06	10/16/25 23:10	1
Pyridine	ND		10	3.1	ug/L		10/14/25 13:06	10/16/25 23:10	1
Quinoline	ND		10	0.51	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/14/25 13:06	10/16/25 23:10	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 13:06	10/16/25 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*15 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
Nitrobenzene-d5	*51*		*50 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
Terphenyl-d14	*57*		*43 - 147*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
2-Fluorobiphenyl	*63*		*25 - 139*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
2-Fluorophenol	*104*		*10 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
Nitrobenzene-d5	*51*		*22 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
Phenol-d5	*98*		*10 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
Terphenyl-d14	*57*		*28 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*10/14/25 13:06*	*10/16/25 23:10*	*1*

Client Sample ID: P54-ROX-101025
Date Collected: 10/10/25 13:40
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-5
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 09:27	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*119*		*50 - 150*		*10/22/25 09:27*	*1*
Toluene-d8 (Surr)	*77*		*50 - 150*		*10/22/25 09:27*	*1*
4-Bromofluorobenzene	*76*		*50 - 150*		*10/22/25 09:27*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/18/25 13:08	1
Acrolein	ND	UJ	100	35	ug/L			10/18/25 13:08	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 13:08	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 13:08	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 13:08	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 13:08	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 13:08	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 13:08	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 13:08	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/18/25 13:08	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 13:08	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 13:08	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 13:08	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 13:08	1
2-Chloroethyl vinyl ether	ND	F1 UJ	2.0	1.6	ug/L			10/18/25 13:08	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 13:08	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 13:08	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 13:08	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 13:08	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 13:08	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 13:08	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 13:08	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 13:08	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 13:08	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 13:08	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 13:08	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 13:08	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 13:08	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 13:08	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 13:08	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 13:08	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 13:08	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 13:08	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 13:08	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/18/25 13:08	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 13:08	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 13:08	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 13:08	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/18/25 13:08	1

Client Sample ID: P54-ROX-101025
Date Collected: 10/10/25 13:40
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 13:08	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 13:08	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 13:08	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 13:08	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 13:08	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 13:08	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 13:08	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 13:08	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 13:08	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 13:08	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 13:08	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 13:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 13:08	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 13:08	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 13:08	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 13:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 13:08	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 13:08	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 13:08	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 13:08	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 13:08	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 13:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 13:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 13:08	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 13:08	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 13:08	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/18/25 13:08*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*10/18/25 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/18/25 13:08*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 13:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/14/25 13:06	10/16/25 22:10	1
Aniline	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 22:10	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzenethiol	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 22:10	1
Anthracene	ND		0.20	0.073	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzoic acid	ND		100	81	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 22:10	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/14/25 13:06	10/16/25 22:10	1

Client Sample ID: P54-ROX-101025
Date Collected: 10/10/25 13:40
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/14/25 13:06	10/16/25 22:10	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/14/25 13:06	10/16/25 22:10	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 22:10	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 13:06	10/16/25 22:10	1
Chrysene	ND		0.20	0.039	ug/L		10/14/25 13:06	10/16/25 22:10	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Chloroaniline	ND		10	0.58	ug/L		10/14/25 13:06	10/16/25 22:10	1
Fluoranthene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 22:10	1
Fluorene	ND		0.20	0.088	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Chlorophenol	ND		10	0.85	ug/L		10/14/25 13:06	10/16/25 22:10	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 22:10	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/14/25 13:06	10/16/25 22:10	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/14/25 13:06	10/16/25 22:10	1
Dibenzofuran	ND		10	0.64	ug/L		10/14/25 13:06	10/16/25 22:10	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/14/25 13:06	10/16/25 22:10	1
Phenanthrene	ND		0.20	0.044	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/14/25 13:06	10/16/25 22:10	1
Pyrene	ND		0.20	0.096	ug/L		10/14/25 13:06	10/16/25 22:10	1
Diethyl phthalate	ND	UJ	10	4.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 22:10	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/14/25 13:06	10/16/25 22:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/14/25 13:06	10/16/25 22:10	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
1,4-Dioxane	ND		10	4.3	ug/L		10/14/25 13:06	10/16/25 22:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/14/25 13:06	10/16/25 22:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 13:06	10/16/25 22:10	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 13:06	10/16/25 22:10	1
Hexachloroethane	ND		10	0.53	ug/L		10/14/25 13:06	10/16/25 22:10	1
Indene	ND		10	0.44	ug/L		10/14/25 13:06	10/16/25 22:10	1
Isophorone	ND		10	0.81	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Methylphenol	ND		10	0.77	ug/L		10/14/25 13:06	10/16/25 22:10	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 13:06	10/16/25 22:10	1
3-Nitroaniline	ND		10	0.96	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 13:06	10/16/25 22:10	1
Nitrobenzene	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 22:10	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 13:06	10/16/25 22:10	1
4-Nitrophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 22:10	1

Client Sample ID: P54-ROX-101025
Date Collected: 10/10/25 13:40
Date Received: 10/11/25 09:20

Lab Sample ID: 400-283996-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/14/25 13:06	10/16/25 22:10	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 13:06	10/16/25 22:10	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 13:06	10/16/25 22:10	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 22:10	1
Phenol	ND		10	0.68	ug/L		10/14/25 13:06	10/16/25 22:10	1
Pyridine	ND		10	3.0	ug/L		10/14/25 13:06	10/16/25 22:10	1
Quinoline	ND		10	0.50	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/14/25 13:06	10/16/25 22:10	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 13:06	10/16/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
Terphenyl-d14	*64*		*43 - 147*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
2-Fluorobiphenyl	*85*		*25 - 139*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
2-Fluorophenol	*91*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
Phenol-d5	*81*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
Terphenyl-d14	*64*		*28 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/14/25 13:06*	*10/16/25 22:10*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-283996-1	TB-ROX-101025-8260	99	100	101	104
400-283996-3	MW3-ROX-101025	101	99	100	105
400-283996-4	MW5-ROX-101025	103	98	99	104
400-283996-5	P54-ROX-101025	101	99	100	105
400-283996-5 MS	P54-ROX-101025	90	101	99	103
400-283996-5 MSD	P54-ROX-101025	94	100	99	104
LCS 500-838796/4	Lab Control Sample	95	100	99	103
LCSD 500-838796/5	Lab Control Sample Dup	97	99	96	104
MB 500-838796/8	Method Blank	99	98	98	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-283996-2	TB-ROX-101025-8260SIM	118	81	76
400-283996-3	MW3-ROX-101025	120	77	77
400-283996-4	MW5-ROX-101025	122	78	75
400-283996-5	P54-ROX-101025	119	77	76
400-283996-5 MS	P54-ROX-101025	119	82	76
400-283996-5 MSD	P54-ROX-101025	119	80	75
LCS 400-727632/1003	Lab Control Sample	112	85	82
MB 400-727632/5	Method Blank	117	82	81

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-283996-3	MW3-ROX-101025	84	61	64	84	75	61	60	64
400-283996-4	MW5-ROX-101025	63	51	57	63	104	51	98	57
400-283996-5	P54-ROX-101025	85	85	64	85	91	85	81	64
400-283996-5 MS	P54-ROX-101025	87	87	63	87	92	87	89	63
400-283996-5 MSD	P54-ROX-101025	86	93	59	86	113	93	115	59
LCS 400-726759/2-A	Lab Control Sample	81	85	95	81	95	85	90	95
LCS 400-726759/3-A	Lab Control Sample				82	103	84	98	103
LCSD 400-726759/4-A	Lab Control Sample Dup				86	97	88	89	110
MB 400-726759/1-A	Method Blank	85	87	95	85	99	87	88	95

Surrogate Summary

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		TBP						
Lab Sample ID	Client Sample ID	(10-150)						
400-283996-3	MW3-ROX-101025	96						
400-283996-4	MW5-ROX-101025	103						
400-283996-5	P54-ROX-101025	91						
400-283996-5 MS	P54-ROX-101025	103						
400-283996-5 MSD	P54-ROX-101025	98						
LCS 400-726759/2-A	Lab Control Sample	107						
LCS 400-726759/3-A	Lab Control Sample	95						
LCSD 400-726759/4-A	Lab Control Sample Dup	98						
MB 400-726759/1-A	Method Blank	98						

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-283996-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101025-8260
Lab Sample ID: 400-283996-1
Date Collected: 10/10/25 00:00
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 09:35	MM	EET CHI

Client Sample ID: TB-ROX-101025-8260SIM
Lab Sample ID: 400-283996-2
Date Collected: 10/10/25 00:00
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 09:04	WPD	EET PEN

Client Sample ID: MW3-ROX-101025
Lab Sample ID: 400-283996-3
Date Collected: 10/10/25 09:55
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 12:15	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 11:24	WPD	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 22:40	S1B	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 22:40	S1B	EET PEN

Client Sample ID: MW5-ROX-101025
Lab Sample ID: 400-283996-4
Date Collected: 10/10/25 11:15
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 12:42	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 11:47	WPD	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 23:10	S1B	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 23:10	S1B	EET PEN

Client Sample ID: P54-ROX-101025
Lab Sample ID: 400-283996-5
Date Collected: 10/10/25 13:40
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 13:08	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 09:27	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 22:10	S1B	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 22:10	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-726759/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 19:06	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 19:06	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727632/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 07:53	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-838796/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 07:49	MM	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726759/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 19:36	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 19:36	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-726759/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 20:07	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727632/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 06:33	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-838796/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:04	MM	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-726759/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 20:37	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-838796/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 06:30	MM	EET CHI

Client Sample ID: P54-ROX-101025
Lab Sample ID: 400-283996-5 MS
Date Collected: 10/10/25 13:40
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 16:13	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 09:50	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 21:08	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 21:08	S1B	EET PEN

Client Sample ID: P54-ROX-101025
Lab Sample ID: 400-283996-5 MSD
Date Collected: 10/10/25 13:40
Matrix: Water
Date Received: 10/11/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	838796	10/18/25 16:39	MM	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 10:14	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727076	10/16/25 21:39	S1B	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	726759	10/14/25 13:06	RAW	EET PEN
Total/NA	Analysis	8270E		1			727077	10/16/25 21:39	S1B	EET PEN

Laboratory References:
EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 727632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283996-2	TB-ROX-101025-8260SIM	Total/NA	Water	8260D SIM	
400-283996-3	MW3-ROX-101025	Total/NA	Water	8260D SIM	
400-283996-4	MW5-ROX-101025	Total/NA	Water	8260D SIM	
400-283996-5	P54-ROX-101025	Total/NA	Water	8260D SIM	
MB 400-727632/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727632/1003	Lab Control Sample	Total/NA	Water	8260D SIM	
400-283996-5 MS	P54-ROX-101025	Total/NA	Water	8260D SIM	
400-283996-5 MSD	P54-ROX-101025	Total/NA	Water	8260D SIM	

Analysis Batch: 838796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283996-1	TB-ROX-101025-8260	Total/NA	Water	8260D	
400-283996-3	MW3-ROX-101025	Total/NA	Water	8260D	
400-283996-4	MW5-ROX-101025	Total/NA	Water	8260D	
400-283996-5	P54-ROX-101025	Total/NA	Water	8260D	
MB 500-838796/8	Method Blank	Total/NA	Water	8260D	
LCS 500-838796/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-838796/5	Lab Control Sample Dup	Total/NA	Water	8260D	
400-283996-5 MS	P54-ROX-101025	Total/NA	Water	8260D	
400-283996-5 MSD	P54-ROX-101025	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 726759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283996-3	MW3-ROX-101025	Total/NA	Water	3511	
400-283996-4	MW5-ROX-101025	Total/NA	Water	3511	
400-283996-5	P54-ROX-101025	Total/NA	Water	3511	
MB 400-726759/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-726759/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-726759/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-283996-5 MS	P54-ROX-101025	Total/NA	Water	3511	
400-283996-5 MSD	P54-ROX-101025	Total/NA	Water	3511	

Analysis Batch: 727076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283996-3	MW3-ROX-101025	Total/NA	Water	8270E	726759
400-283996-4	MW5-ROX-101025	Total/NA	Water	8270E	726759
400-283996-5	P54-ROX-101025	Total/NA	Water	8270E	726759
MB 400-726759/1-A	Method Blank	Total/NA	Water	8270E	726759
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	8270E	726759
400-283996-5 MS	P54-ROX-101025	Total/NA	Water	8270E	726759
400-283996-5 MSD	P54-ROX-101025	Total/NA	Water	8270E	726759

Analysis Batch: 727077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-283996-3	MW3-ROX-101025	Total/NA	Water	8270E	726759
400-283996-4	MW5-ROX-101025	Total/NA	Water	8270E	726759
400-283996-5	P54-ROX-101025	Total/NA	Water	8270E	726759
MB 400-726759/1-A	Method Blank	Total/NA	Water	8270E	726759

GC/MS Semi VOA (Continued)

Analysis Batch: 727077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-726759/2-A	Lab Control Sample	Total/NA	Water	8270E	726759
LCS 400-726759/3-A	Lab Control Sample	Total/NA	Water	8270E	726759
LCSD 400-726759/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	726759
400-283996-5 MS	P54-ROX-101025	Total/NA	Water	8270E	726759
400-283996-5 MSD	P54-ROX-101025	Total/NA	Water	8270E	726759

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/18/25 07:49	1
Acrolein	ND		100	35	ug/L			10/18/25 07:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/18/25 07:49	1
Benzene	ND		0.50	0.18	ug/L			10/18/25 07:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/18/25 07:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/18/25 07:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/18/25 07:49	1
Bromoform	ND		1.0	0.96	ug/L			10/18/25 07:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/18/25 07:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/18/25 07:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/18/25 07:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/18/25 07:49	1
Chloroform	ND		2.0	0.92	ug/L			10/18/25 07:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/18/25 07:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/18/25 07:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/18/25 07:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/18/25 07:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/18/25 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/18/25 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/18/25 07:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/18/25 07:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/18/25 07:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/18/25 07:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/18/25 07:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/18/25 07:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/18/25 07:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/18/25 07:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/18/25 07:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/18/25 07:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/18/25 07:49	1
2-Hexanone	ND		5.0	2.2	ug/L			10/18/25 07:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/18/25 07:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/18/25 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/18/25 07:49	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/18/25 07:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/18/25 07:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/18/25 07:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/18/25 07:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/18/25 07:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-838796/8
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/18/25 07:49	1
Styrene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/18/25 07:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/18/25 07:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/18/25 07:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/18/25 07:49	1
Toluene	ND		0.50	0.21	ug/L			10/18/25 07:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/18/25 07:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/18/25 07:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/18/25 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/18/25 07:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/18/25 07:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/18/25 07:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/18/25 07:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/18/25 07:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/18/25 07:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/18/25 07:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/18/25 07:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/18/25 07:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/18/25 07:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/18/25 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/18/25 07:49*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*10/18/25 07:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/18/25 07:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/18/25 07:49*	*1*

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	33.9		ug/L		68	40 - 143
Acrolein	2000	1770		ug/L		89	40 - 150
Acrylonitrile	500	535		ug/L		107	67 - 140
Benzene	50.0	47.6		ug/L		95	70 - 120
Bromobenzene	50.0	52.4		ug/L		105	70 - 122
Bromochloromethane	50.0	54.1		ug/L		108	65 - 122
Bromodichloromethane	50.0	48.5		ug/L		97	69 - 120
Bromoform	50.0	50.9		ug/L		102	56 - 132
Bromomethane	50.0	65.6		ug/L		131	40 - 152
2-Butanone (MEK)	50.0	32.2		ug/L		64	46 - 144
Carbon disulfide	50.0	40.2		ug/L		80	66 - 120
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	53.2		ug/L		106	70 - 120
Chloroethane	50.0	52.5		ug/L		105	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	49.5		ug/L		99	52 - 136
Chloroform	50.0	49.9		ug/L		100	70 - 120
Chloromethane	50.0	54.3		ug/L		109	56 - 152
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	64 - 127
Dibromochloromethane	50.0	53.2		ug/L		106	68 - 125
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 125
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	50.4		ug/L		101	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	50.9		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	44.6		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	43.7		ug/L		87	58 - 139
1,1-Dichloropropene	50.0	44.3		ug/L		89	70 - 121
Ethylbenzene	50.0	49.3		ug/L		99	70 - 123
Ethyl methacrylate	50.0	52.1		ug/L		104	63 - 129
Hexachlorobutadiene	50.0	52.5		ug/L		105	51 - 150
2-Hexanone	50.0	32.1		ug/L		64	54 - 146
Isopropylbenzene	50.0	46.5		ug/L		93	70 - 126
Methylene bromide	50.0	52.7		ug/L		105	70 - 120
Methylene Chloride	50.0	44.3		ug/L		89	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	33.1		ug/L		66	55 - 139
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 125
Naphthalene	50.0	52.4		ug/L		105	53 - 144
n-Butylbenzene	50.0	44.0		ug/L		88	68 - 125
N-Propylbenzene	50.0	46.2		ug/L		92	69 - 127
o-Chlorotoluene	50.0	46.6		ug/L		93	70 - 125
o-Xylene	50.0	46.4		ug/L		93	70 - 120
p-Chlorotoluene	50.0	47.6		ug/L		95	68 - 124
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	43.9		ug/L		88	70 - 123
Styrene	50.0	51.2		ug/L		102	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	48.4		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	51 - 145
1,2,4-Trichlorobenzene	50.0	51.8		ug/L		104	57 - 137
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	56.6		ug/L		113	71 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-838796/4
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	54.6		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
Vinyl acetate	50.0	62.8		ug/L		126	43 - 133
Vinyl chloride	50.0	52.1		ug/L		104	64 - 126
Xylenes, Total	100	92.0		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	35.2		ug/L		70	40 - 143	4	20
Acrolein	2000	1810		ug/L		90	40 - 150	2	20
Acrylonitrile	500	540		ug/L		108	67 - 140	1	20
Benzene	50.0	49.0		ug/L		98	70 - 120	3	20
Bromobenzene	50.0	56.1		ug/L		112	70 - 122	7	20
Bromochloromethane	50.0	56.9		ug/L		114	65 - 122	5	20
Bromodichloromethane	50.0	51.2		ug/L		102	69 - 120	5	20
Bromoform	50.0	52.4		ug/L		105	56 - 132	3	20
Bromomethane	50.0	63.7		ug/L		127	40 - 152	3	20
2-Butanone (MEK)	50.0	33.1		ug/L		66	46 - 144	3	20
Carbon disulfide	50.0	41.2		ug/L		82	66 - 120	2	20
Carbon tetrachloride	50.0	45.6		ug/L		91	59 - 133	4	20
Chlorobenzene	50.0	55.8		ug/L		112	70 - 120	5	20
Chloroethane	50.0	52.8		ug/L		106	48 - 136	1	20
2-Chloroethyl vinyl ether	50.0	52.2		ug/L		104	52 - 136	5	20
Chloroform	50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane	50.0	55.4		ug/L		111	56 - 152	2	20
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	64 - 127	5	20
Dibromochloromethane	50.0	57.0		ug/L		114	68 - 125	7	20
1,2-Dichlorobenzene	50.0	56.0		ug/L		112	70 - 125	6	20
1,3-Dichlorobenzene	50.0	54.6		ug/L		109	70 - 125	7	20
1,4-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 120	9	20
Dichlorodifluoromethane	50.0	48.6		ug/L		97	40 - 159	4	20
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 125	1	20
1,2-Dichloroethane	50.0	51.7		ug/L		103	68 - 127	2	20
1,1-Dichloroethene	50.0	44.3		ug/L		89	67 - 122	1	20
1,2-Dichloropropane	50.0	52.9		ug/L		106	67 - 130	2	20
1,3-Dichloropropane	50.0	55.4		ug/L		111	62 - 136	4	20
2,2-Dichloropropane	50.0	44.5		ug/L		89	58 - 139	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-838796/5
Matrix: Water
Analysis Batch: 838796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	46.1		ug/L		92	70 - 121	4	20
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123	5	20
Ethyl methacrylate			50.0	53.3		ug/L		107	63 - 129	2	20
Hexachlorobutadiene			50.0	56.8		ug/L		114	51 - 150	8	20
2-Hexanone			50.0	33.9		ug/L		68	54 - 146	6	20
Isopropylbenzene			50.0	50.0		ug/L		100	70 - 126	7	20
Methylene bromide			50.0	53.4		ug/L		107	70 - 120	1	20
Methylene Chloride			50.0	46.0		ug/L		92	69 - 125	4	20
4-Methyl-2-pentanone (MIBK)			50.0	34.1		ug/L		68	55 - 139	3	20
Methyl tert-butyl ether			50.0	49.0		ug/L		98	55 - 123	2	20
m-Xylene & p-Xylene			50.0	47.8		ug/L		96	70 - 125	5	20
Naphthalene			50.0	54.4		ug/L		109	53 - 144	4	20
n-Butylbenzene			50.0	47.6		ug/L		95	68 - 125	8	20
N-Propylbenzene			50.0	49.4		ug/L		99	69 - 127	7	20
o-Chlorotoluene			50.0	49.8		ug/L		100	70 - 125	7	20
o-Xylene			50.0	48.6		ug/L		97	70 - 120	5	20
p-Chlorotoluene			50.0	50.7		ug/L		101	68 - 124	6	20
p-Isopropyltoluene			50.0	49.6		ug/L		99	70 - 125	6	20
sec-Butylbenzene			50.0	47.5		ug/L		95	70 - 123	8	20
Styrene			50.0	53.3		ug/L		107	70 - 120	4	20
tert-Butylbenzene			50.0	48.2		ug/L		96	70 - 121	7	20
1,1,1,2-Tetrachloroethane			50.0	56.5		ug/L		113	70 - 125	4	20
1,1,2,2-Tetrachloroethane			50.0	56.1		ug/L		112	62 - 140	4	20
Tetrachloroethene			50.0	49.9		ug/L		100	70 - 128	6	20
Toluene			50.0	50.2		ug/L		100	70 - 125	4	20
trans-1,2-Dichloroethene			50.0	48.6		ug/L		97	70 - 125	5	20
trans-1,3-Dichloropropene			50.0	54.2		ug/L		108	62 - 128	4	20
1,2,3-Trichlorobenzene			50.0	56.8		ug/L		114	51 - 145	1	20
1,2,4-Trichlorobenzene			50.0	54.3		ug/L		109	57 - 137	5	20
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	70 - 125	6	20
1,1,2-Trichloroethane			50.0	59.3		ug/L		119	71 - 130	5	20
Trichloroethene			50.0	51.6		ug/L		103	70 - 125	5	20
Trichlorofluoromethane			50.0	46.2		ug/L		92	55 - 128	5	20
1,2,3-Trichloropropane			50.0	58.1		ug/L		116	50 - 133	6	20
1,2,4-Trimethylbenzene			50.0	50.3		ug/L		101	70 - 123	7	20
1,3,5-Trimethylbenzene			50.0	49.4		ug/L		99	70 - 123	6	20
Vinyl acetate			50.0	64.1		ug/L		128	43 - 133	2	20
Vinyl chloride			50.0	52.9		ug/L		106	64 - 126	2	20
Xylenes, Total			100	96.4		ug/L		96	70 - 125	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 838796

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		50.0	30.0		ug/L		60	40 - 143
Acrolein	ND		2000	1530		ug/L		77	40 - 150
Acrylonitrile	ND		500	487		ug/L		97	67 - 140
Benzene	ND		50.0	48.8		ug/L		98	70 - 120
Bromobenzene	ND		50.0	48.6		ug/L		97	70 - 122
Bromochloromethane	ND		50.0	51.8		ug/L		104	65 - 122
Bromodichloromethane	ND		50.0	48.3		ug/L		97	69 - 120
Bromoform	ND		50.0	45.2		ug/L		90	56 - 132
Bromomethane	ND		50.0	59.4		ug/L		119	40 - 152
2-Butanone (MEK)	ND		50.0	28.0		ug/L		56	46 - 144
Carbon disulfide	ND		50.0	43.3		ug/L		87	66 - 120
Carbon tetrachloride	ND		50.0	46.7		ug/L		93	59 - 133
Chlorobenzene	ND		50.0	52.5		ug/L		105	70 - 120
Chloroethane	ND		50.0	56.3		ug/L		113	48 - 136
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136
Chloroform	ND		50.0	49.8		ug/L		100	70 - 120
Chloromethane	ND		50.0	56.7		ug/L		113	56 - 152
cis-1,2-Dichloroethene	ND		50.0	48.8		ug/L		98	70 - 125
cis-1,3-Dichloropropene	ND		50.0	46.7		ug/L		93	64 - 127
Dibromochloromethane	ND		50.0	50.8		ug/L		102	68 - 125
1,2-Dichlorobenzene	ND		50.0	48.9		ug/L		98	70 - 125
1,3-Dichlorobenzene	ND		50.0	49.3		ug/L		99	70 - 125
1,4-Dichlorobenzene	ND		50.0	49.5		ug/L		99	70 - 120
Dichlorodifluoromethane	ND		50.0	51.1		ug/L		102	40 - 159
1,1-Dichloroethane	ND		50.0	49.2		ug/L		98	70 - 125
1,2-Dichloroethane	ND		50.0	48.9		ug/L		98	68 - 127
1,1-Dichloroethene	ND		50.0	46.3		ug/L		93	67 - 122
1,2-Dichloropropane	ND		50.0	49.2		ug/L		98	67 - 130
1,3-Dichloropropane	ND		50.0	49.9		ug/L		100	62 - 136
2,2-Dichloropropane	ND		50.0	38.1		ug/L		76	58 - 139
1,1-Dichloropropene	ND		50.0	47.1		ug/L		94	70 - 121
Ethylbenzene	ND		50.0	49.4		ug/L		99	70 - 123
Ethyl methacrylate	ND		50.0	46.4		ug/L		93	63 - 129
Hexachlorobutadiene	ND		50.0	49.3		ug/L		99	51 - 150
2-Hexanone	ND		50.0	27.9		ug/L		56	54 - 146
Isopropylbenzene	ND		50.0	46.3		ug/L		93	70 - 126
Methylene bromide	ND		50.0	50.9		ug/L		102	70 - 120
Methylene Chloride	ND		50.0	43.1		ug/L		86	69 - 125
4-Methyl-2-pentanone (MIBK)	ND		50.0	28.7		ug/L		57	55 - 139
Methyl tert-butyl ether	ND		50.0	44.7		ug/L		89	55 - 123
m-Xylene & p-Xylene	ND		50.0	46.3		ug/L		93	70 - 125
Naphthalene	ND		50.0	41.8		ug/L		84	53 - 144
n-Butylbenzene	ND		50.0	44.3		ug/L		89	68 - 125
N-Propylbenzene	ND		50.0	46.3		ug/L		93	69 - 127
o-Chlorotoluene	ND		50.0	45.8		ug/L		92	70 - 125
o-Xylene	ND		50.0	45.5		ug/L		91	70 - 120
p-Chlorotoluene	ND		50.0	47.5		ug/L		95	68 - 124
p-Isopropyltoluene	ND		50.0	47.4		ug/L		95	70 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 838796

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	ND		50.0	45.8		ug/L		92	70 - 123
Styrene	ND		50.0	50.1		ug/L		100	70 - 120
tert-Butylbenzene	ND		50.0	45.2		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	ND		50.0	51.8		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	ND		50.0	48.0		ug/L		96	62 - 140
Tetrachloroethene	ND		50.0	47.9		ug/L		96	70 - 128
Toluene	ND		50.0	48.7		ug/L		97	70 - 125
trans-1,2-Dichloroethene	ND		50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	ND		50.0	47.1		ug/L		94	62 - 128
1,2,3-Trichlorobenzene	ND		50.0	44.8		ug/L		90	51 - 145
1,2,4-Trichlorobenzene	ND		50.0	43.6		ug/L		87	57 - 137
1,1,1-Trichloroethane	ND		50.0	46.9		ug/L		94	70 - 125
1,1,2-Trichloroethane	ND		50.0	52.5		ug/L		105	71 - 130
Trichloroethene	ND		50.0	50.2		ug/L		100	70 - 125
Trichlorofluoromethane	ND		50.0	48.7		ug/L		97	55 - 128
1,2,3-Trichloropropane	ND		50.0	48.8		ug/L		98	50 - 133
1,2,4-Trimethylbenzene	ND		50.0	46.3		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	ND		50.0	45.7		ug/L		91	70 - 123
Vinyl acetate	ND		50.0	57.2		ug/L		114	43 - 133
Vinyl chloride	ND		50.0	56.1		ug/L		112	64 - 126
Xylenes, Total	ND		100	91.7		ug/L		92	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 838796

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		50.0	28.0		ug/L		56	40 - 143	7	20
Acrolein	ND		2000	1500		ug/L		75	40 - 150	2	20
Acrylonitrile	ND		500	460		ug/L		92	67 - 140	6	20
Benzene	ND		50.0	45.6		ug/L		91	70 - 120	7	20
Bromobenzene	ND		50.0	47.5		ug/L		95	70 - 122	2	20
Bromochloromethane	ND		50.0	49.2		ug/L		98	65 - 122	5	20
Bromodichloromethane	ND		50.0	44.5		ug/L		89	69 - 120	8	20
Bromoform	ND		50.0	45.1		ug/L		90	56 - 132	0	20
Bromomethane	ND		50.0	57.4		ug/L		115	40 - 152	3	20
2-Butanone (MEK)	ND		50.0	26.1		ug/L		52	46 - 144	7	20
Carbon disulfide	ND		50.0	40.2		ug/L		80	66 - 120	7	20
Carbon tetrachloride	ND		50.0	43.5		ug/L		87	59 - 133	7	20
Chlorobenzene	ND		50.0	50.7		ug/L		101	70 - 120	4	20
Chloroethane	ND		50.0	51.7		ug/L		103	48 - 136	9	20
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	52 - 136	NC	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 838796

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	46.8		ug/L		94	70 - 120	6	20
Chloromethane	ND		50.0	52.7		ug/L		105	56 - 152	7	20
cis-1,2-Dichloroethene	ND		50.0	46.0		ug/L		92	70 - 125	6	20
cis-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	64 - 127	1	20
Dibromochloromethane	ND		50.0	49.4		ug/L		99	68 - 125	3	20
1,2-Dichlorobenzene	ND		50.0	48.6		ug/L		97	70 - 125	1	20
1,3-Dichlorobenzene	ND		50.0	47.8		ug/L		96	70 - 125	3	20
1,4-Dichlorobenzene	ND		50.0	48.3		ug/L		97	70 - 120	3	20
Dichlorodifluoromethane	ND		50.0	50.7		ug/L		101	40 - 159	1	20
1,1-Dichloroethane	ND		50.0	46.3		ug/L		93	70 - 125	6	20
1,2-Dichloroethane	ND		50.0	46.6		ug/L		93	68 - 127	5	20
1,1-Dichloroethene	ND		50.0	44.8		ug/L		90	67 - 122	3	20
1,2-Dichloropropane	ND		50.0	45.9		ug/L		92	67 - 130	7	20
1,3-Dichloropropane	ND		50.0	49.0		ug/L		98	62 - 136	2	20
2,2-Dichloropropane	ND		50.0	35.4		ug/L		71	58 - 139	8	20
1,1-Dichloropropene	ND		50.0	43.5		ug/L		87	70 - 121	8	20
Ethylbenzene	ND		50.0	46.9		ug/L		94	70 - 123	5	20
Ethyl methacrylate	ND		50.0	45.5		ug/L		91	63 - 129	2	20
Hexachlorobutadiene	ND		50.0	47.7		ug/L		95	51 - 150	3	20
2-Hexanone	ND		50.0	27.6		ug/L		55	54 - 146	1	20
Isopropylbenzene	ND		50.0	45.1		ug/L		90	70 - 126	3	20
Methylene bromide	ND		50.0	47.3		ug/L		95	70 - 120	7	20
Methylene Chloride	ND		50.0	40.3		ug/L		81	69 - 125	7	20
4-Methyl-2-pentanone (MIBK)	ND		50.0	28.5		ug/L		57	55 - 139	0	20
Methyl tert-butyl ether	ND		50.0	42.5		ug/L		85	55 - 123	5	20
m-Xylene & p-Xylene	ND		50.0	44.4		ug/L		89	70 - 125	4	20
Naphthalene	ND		50.0	41.9		ug/L		84	53 - 144	0	20
n-Butylbenzene	ND		50.0	42.9		ug/L		86	68 - 125	3	20
N-Propylbenzene	ND		50.0	44.5		ug/L		89	69 - 127	4	20
o-Chlorotoluene	ND		50.0	44.2		ug/L		88	70 - 125	4	20
o-Xylene	ND		50.0	44.1		ug/L		88	70 - 120	3	20
p-Chlorotoluene	ND		50.0	44.9		ug/L		90	68 - 124	6	20
p-Isopropyltoluene	ND		50.0	45.1		ug/L		90	70 - 125	5	20
sec-Butylbenzene	ND		50.0	43.6		ug/L		87	70 - 123	5	20
Styrene	ND		50.0	48.5		ug/L		97	70 - 120	3	20
tert-Butylbenzene	ND		50.0	44.0		ug/L		88	70 - 121	3	20
1,1,1,2-Tetrachloroethane	ND		50.0	50.1		ug/L		100	70 - 125	3	20
1,1,2,2-Tetrachloroethane	ND		50.0	47.5		ug/L		95	62 - 140	1	20
Tetrachloroethene	ND		50.0	46.5		ug/L		93	70 - 128	3	20
Toluene	ND		50.0	46.9		ug/L		94	70 - 125	4	20
trans-1,2-Dichloroethene	ND		50.0	45.3		ug/L		91	70 - 125	9	20
trans-1,3-Dichloropropene	ND		50.0	46.0		ug/L		92	62 - 128	2	20
1,2,3-Trichlorobenzene	ND		50.0	44.6		ug/L		89	51 - 145	0	20
1,2,4-Trichlorobenzene	ND		50.0	43.9		ug/L		88	57 - 137	1	20
1,1,1-Trichloroethane	ND		50.0	44.3		ug/L		89	70 - 125	6	20
1,1,2-Trichloroethane	ND		50.0	50.9		ug/L		102	71 - 130	3	20
Trichloroethene	ND		50.0	45.7		ug/L		91	70 - 125	9	20
Trichlorofluoromethane	ND		50.0	50.7		ug/L		101	55 - 128	4	20
1,2,3-Trichloropropane	ND		50.0	47.3		ug/L		95	50 - 133	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 838796

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		50.0	44.3		ug/L		89	70 - 123	4	20
1,3,5-Trimethylbenzene	ND		50.0	44.2		ug/L		88	70 - 123	3	20
Vinyl acetate	ND		50.0	53.9		ug/L		108	43 - 133	6	20
Vinyl chloride	ND		50.0	53.5		ug/L		107	64 - 126	5	20
Xylenes, Total	ND		100	88.5		ug/L		88	70 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-727632/5
Matrix: Water
Analysis Batch: 727632

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 07:53	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/22/25 07:53*	*1*
Toluene-d8 (Surr)	*82*		*50 - 150*		*10/22/25 07:53*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/22/25 07:53*	*1*

Lab Sample ID: LCS 400-727632/1003
Matrix: Water
Analysis Batch: 727632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.442		ug/L		88	50 - 150		
1,2-Dibromoethane			0.500	0.537		ug/L		107	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*112*		*50 - 150*
Toluene-d8 (Surr)	*85*		*50 - 150*
4-Bromofluorobenzene	*82*		*50 - 150*

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 727632

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.488	0.456		ug/L		93	50 - 150		
1,2-Dibromoethane	ND		0.488	0.549		ug/L		112	50 - 150		

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 727632

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	*119*		*50 - 150*
Toluene-d8 (Surr)	*82*		*50 - 150*
4-Bromofluorobenzene	*76*		*50 - 150*

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 727632

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.488	0.451		ug/L		92	50 - 150	1	50
1,2-Dibromoethane	ND		0.488	0.567		ug/L		116	50 - 150	3	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	*119*		*50 - 150*
Toluene-d8 (Surr)	*80*		*50 - 150*
4-Bromofluorobenzene	*75*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/14/25 13:06	10/16/25 19:06	1
Aniline	ND		10	0.74	ug/L		10/14/25 13:06	10/16/25 19:06	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzenethiol	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 19:06	1
Anthracene	ND		0.20	0.073	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzoic acid	ND		100	80	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzyl alcohol	ND		35	30	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/14/25 13:06	10/16/25 19:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/14/25 13:06	10/16/25 19:06	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/14/25 13:06	10/16/25 19:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/14/25 13:06	10/16/25 19:06	1
Chrysene	ND		0.20	0.039	ug/L		10/14/25 13:06	10/16/25 19:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chloroaniline	ND		10	0.58	ug/L		10/14/25 13:06	10/16/25 19:06	1
Fluoranthene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/14/25 13:06	10/16/25 19:06	1
Fluorene	ND		0.20	0.087	ug/L		10/14/25 13:06	10/16/25 19:06	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		10	0.38	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Chlorophenol	ND		10	0.84	ug/L		10/14/25 13:06	10/16/25 19:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/14/25 13:06	10/16/25 19:06	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dibenzofuran	ND		10	0.64	ug/L		10/14/25 13:06	10/16/25 19:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/14/25 13:06	10/16/25 19:06	1
Phenanthrene	ND		0.20	0.044	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/14/25 13:06	10/16/25 19:06	1
Pyrene	ND		0.20	0.095	ug/L		10/14/25 13:06	10/16/25 19:06	1
Diethyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/14/25 13:06	10/16/25 19:06	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/14/25 13:06	10/16/25 19:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/14/25 13:06	10/16/25 19:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
1,4-Dioxane	ND		10	4.3	ug/L		10/14/25 13:06	10/16/25 19:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/14/25 13:06	10/16/25 19:06	1
Hexachloroethane	ND		10	0.53	ug/L		10/14/25 13:06	10/16/25 19:06	1
Indene	ND		10	0.44	ug/L		10/14/25 13:06	10/16/25 19:06	1
Isophorone	ND		10	0.80	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Methylphenol	ND		10	0.76	ug/L		10/14/25 13:06	10/16/25 19:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Nitroaniline	ND		10	1.4	ug/L		10/14/25 13:06	10/16/25 19:06	1
3-Nitroaniline	ND		10	0.95	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Nitroaniline	ND		10	3.5	ug/L		10/14/25 13:06	10/16/25 19:06	1
Nitrobenzene	ND		10	0.60	ug/L		10/14/25 13:06	10/16/25 19:06	1
2-Nitrophenol	ND		10	1.2	ug/L		10/14/25 13:06	10/16/25 19:06	1
4-Nitrophenol	ND		10	2.7	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/14/25 13:06	10/16/25 19:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/14/25 13:06	10/16/25 19:06	1
Pentachlorophenol	ND		10	2.8	ug/L		10/14/25 13:06	10/16/25 19:06	1
Phenol	ND		10	0.68	ug/L		10/14/25 13:06	10/16/25 19:06	1
Pyridine	ND		10	3.0	ug/L		10/14/25 13:06	10/16/25 19:06	1
Quinoline	ND		10	0.50	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/14/25 13:06	10/16/25 19:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/14/25 13:06	10/16/25 19:06	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-726759/1-A
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726759

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		15 - 150	10/14/25 13:06	10/16/25 19:06	1
Nitrobenzene-d5	87		50 - 150	10/14/25 13:06	10/16/25 19:06	1
Terphenyl-d14	95		43 - 147	10/14/25 13:06	10/16/25 19:06	1
2-Fluorobiphenyl	85		25 - 139	10/14/25 13:06	10/16/25 19:06	1
2-Fluorophenol	99		10 - 150	10/14/25 13:06	10/16/25 19:06	1
Nitrobenzene-d5	87		22 - 150	10/14/25 13:06	10/16/25 19:06	1
Phenol-d5	88		10 - 150	10/14/25 13:06	10/16/25 19:06	1
Terphenyl-d14	95		28 - 150	10/14/25 13:06	10/16/25 19:06	1
2,4,6-Tribromophenol	98		10 - 150	10/14/25 13:06	10/16/25 19:06	1

Lab Sample ID: LCS 400-726759/2-A
Matrix: Water
Analysis Batch: 727076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	29.3		ug/L		88	29 - 150
Aniline	33.3	33.7		ug/L		101	10 - 134
Acenaphthylene	33.3	29.6		ug/L		89	30 - 150
Anthracene	33.3	34.3		ug/L		103	31 - 150
Benzoic acid	152	138		ug/L		91	10 - 180
Benzo[a]anthracene	33.3	34.3		ug/L		103	36 - 150
Benzyl alcohol	33.3	41.7		ug/L		125	10 - 150
Benzo[a]pyrene	33.3	32.6		ug/L		98	29 - 150
Bis(2-chloroethoxy)methane	33.3	36.4		ug/L		109	34 - 120
Benzo[b]fluoranthene	33.3	35.1		ug/L		105	32 - 150
Bis(2-chloroethyl)ether	33.3	30.1		ug/L		90	32 - 114
Benzo[g,h,i]perylene	33.3	33.1		ug/L		99	28 - 150
bis (2-chloroisopropyl) ether	33.3	31.0		ug/L		93	32 - 115
Benzo[k]fluoranthene	33.3	31.8		ug/L		95	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	31.6		ug/L		95	24 - 133
4-Bromophenyl phenyl ether	33.3	34.0		ug/L		102	24 - 120
Chrysene	33.3	32.6		ug/L		98	34 - 150
Butyl benzyl phthalate	33.3	30.5		ug/L		92	24 - 140
Dibenz(a,h)anthracene	33.3	31.0		ug/L		93	29 - 150
4-Chloroaniline	33.3	38.0		ug/L		114	10 - 150
Fluoranthene	33.3	34.9		ug/L		105	30 - 150
4-Chloro-3-methylphenol	33.3	38.6		ug/L		116	10 - 137
Fluorene	33.3	30.1		ug/L		90	30 - 150
2-Chloronaphthalene	33.3	52.9	*+	ug/L		159	10 - 150
2-Chlorophenol	33.3	32.5		ug/L		97	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	29.3		ug/L		88	28 - 150
1-Methylnaphthalene	33.3	27.5		ug/L		82	25 - 150
4-Chlorophenyl phenyl ether	33.3	28.0		ug/L		84	31 - 110
2-Methylnaphthalene	33.3	29.9		ug/L		90	24 - 150
Dibenz[a,h]acridine	33.3	37.3		ug/L		112	40 - 150
Dibenzofuran	33.3	28.9		ug/L		87	35 - 110
3,3'-Dichlorobenzidine	66.7	43.0		ug/L		65	10 - 150
Phenanthrene	33.3	32.8		ug/L		98	32 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726759/2-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	33.3	36.5		ug/L		109	30 - 125
Pyrene	33.3	37.5		ug/L		113	30 - 150
Diethyl phthalate	33.3	26.7		ug/L		80	31 - 118
2,4-Dimethylphenol	33.3	32.6		ug/L		98	10 - 142
Dimethyl phthalate	33.3	25.8		ug/L		77	24 - 125
Di-n-butyl phthalate	33.3	33.5		ug/L		100	30 - 127
4,6-Dinitro-ortho-cresol	66.7	67.9		ug/L		102	10 - 150
2,4-Dinitrophenol	66.7	66.0		ug/L		99	10 - 150
2,4-Dinitrotoluene	33.3	31.9		ug/L		96	30 - 129
2,6-Dinitrotoluene	33.3	35.1		ug/L		105	34 - 132
Di-n-octyl phthalate	33.3	32.5		ug/L		98	28 - 142
1,4-Dioxane	33.3	31.4		ug/L		94	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	30.1		ug/L		90	29 - 121
Hexachlorobenzene	33.3	33.1		ug/L		99	29 - 113
Hexachlorocyclopentadiene	33.3	22.8		ug/L		68	10 - 150
Hexachloroethane	33.3	22.9		ug/L		69	10 - 112
Indene	33.3	25.2		ug/L		76	10 - 113
Isophorone	33.3	31.8		ug/L		95	29 - 125
2-Methylphenol	33.3	32.1		ug/L		96	11 - 121
3 & 4 Methylphenol	33.3	35.0		ug/L		105	10 - 150
2-Nitroaniline	33.3	32.4		ug/L		97	31 - 141
3-Nitroaniline	33.3	30.5		ug/L		92	33 - 136
4-Nitroaniline	33.3	30.1		ug/L		90	37 - 139
Nitrobenzene	33.3	30.5		ug/L		91	29 - 129
2-Nitrophenol	33.3	34.7		ug/L		104	31 - 142
4-Nitrophenol	66.7	84.7		ug/L		127	10 - 150
N-Nitrosodimethylamine	33.3	30.2		ug/L		91	10 - 136
N-Nitrosodi-n-propylamine	33.3	32.3		ug/L		97	50 - 134
N-Nitrosodiphenylamine	33.1	31.6		ug/L		95	50 - 132
Pentachlorophenol	66.7	78.7		ug/L		118	14 - 150
Phenol	33.3	33.6		ug/L		101	10 - 150
Pyridine	66.7	65.8		ug/L		99	10 - 150
Quinoline	33.3	38.7		ug/L		116	40 - 150
2,4,5-Trichlorophenol	33.3	33.5		ug/L		101	27 - 136
2,4,6-Trichlorophenol	33.3	32.8		ug/L		98	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Terphenyl-d14	*95*		*43 - 147*
2-Fluorobiphenyl	*81*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*85*		*22 - 150*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*95*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-726759/3-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	27.3		ug/L		82	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*25 - 139*
2-Fluorophenol	*103*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*98*		*10 - 150*
Terphenyl-d14	*103*		*28 - 150*
2,4,6-Tribromophenol	*95*		*10 - 150*

Lab Sample ID: LCSD 400-726759/4-A
Matrix: Water
Analysis Batch: 727077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 726759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	28.6		ug/L		86	10 - 150	5	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*25 - 139*
2-Fluorophenol	*97*		*10 - 150*
Nitrobenzene-d5	*88*		*22 - 150*
Phenol-d5	*89*		*10 - 150*
Terphenyl-d14	*110*		*28 - 150*
2,4,6-Tribromophenol	*98*		*10 - 150*

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 727076

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		33.4	30.0		ug/L		90	50 - 150		
Aniline	ND		33.4	33.2		ug/L		99	50 - 150		
Acenaphthylene	ND		33.4	30.4		ug/L		91	50 - 150		
Anthracene	ND		33.4	32.4		ug/L		97	50 - 150		
Benzoic acid	ND		152	166		ug/L		109	50 - 150		
Benzo[a]anthracene	ND		33.4	31.8		ug/L		95	50 - 150		
Benzyl alcohol	ND		33.4	41.5		ug/L		124	50 - 150		
Benzo[a]pyrene	ND		33.4	31.2		ug/L		93	50 - 150		
Bis(2-chloroethoxy)methane	ND		33.4	37.0		ug/L		111	50 - 150		
Benzo[b]fluoranthene	ND		33.4	33.5		ug/L		100	50 - 150		
Bis(2-chloroethyl)ether	ND		33.4	29.5		ug/L		88	50 - 150		
Benzo[g,h,i]perylene	ND		33.4	30.6		ug/L		91	50 - 150		
bis (2-chloroisopropyl) ether	ND		33.4	30.4		ug/L		91	50 - 150		
Benzo[k]fluoranthene	ND		33.4	30.8		ug/L		92	50 - 150		
Bis(2-ethylhexyl) phthalate	ND		33.4	30.6		ug/L		91	50 - 150		
4-Bromophenyl phenyl ether	ND		33.4	32.3		ug/L		97	50 - 150		
Chrysene	ND		33.4	32.4		ug/L		97	50 - 150		
Butyl benzyl phthalate	ND		33.4	28.9		ug/L		86	50 - 150		

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 727076

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	ND		33.4	30.0		ug/L		90	50 - 150
4-Chloroaniline	ND		33.4	39.3		ug/L		118	50 - 150
Fluoranthene	ND		33.4	32.2		ug/L		96	50 - 150
4-Chloro-3-methylphenol	ND		33.4	37.8		ug/L		113	50 - 150
Fluorene	ND		33.4	30.5		ug/L		91	50 - 150
2-Chloronaphthalene	ND	*+	33.4	30.2		ug/L		90	50 - 150
2-Chlorophenol	ND		33.4	30.8		ug/L		92	50 - 150
Indeno[1,2,3-cd]pyrene	ND		33.4	28.2		ug/L		84	50 - 150
1-Methylnaphthalene	ND		33.4	27.9		ug/L		84	50 - 150
4-Chlorophenyl phenyl ether	ND		33.4	29.1		ug/L		87	50 - 150
2-Methylnaphthalene	ND		33.4	29.8		ug/L		89	50 - 150
Dibenz[a,h]acridine	ND		33.4	35.6		ug/L		107	50 - 150
Dibenzofuran	ND		33.4	29.5		ug/L		88	50 - 150
3,3'-Dichlorobenzidine	ND		66.9	48.7		ug/L		73	50 - 150
Phenanthrene	ND		33.4	31.0		ug/L		93	50 - 150
2,4-Dichlorophenol	ND		33.4	34.9		ug/L		104	50 - 150
Pyrene	ND		33.4	34.2		ug/L		102	50 - 150
Diethyl phthalate	ND		33.4	27.4		ug/L		82	50 - 150
2,4-Dimethylphenol	ND		33.4	31.1		ug/L		93	50 - 150
Dimethyl phthalate	ND		33.4	24.2		ug/L		72	50 - 150
Di-n-butyl phthalate	ND		33.4	30.8		ug/L		92	50 - 150
4,6-Dinitro-ortho-cresol	ND		66.9	66.2		ug/L		99	50 - 150
2,4-Dinitrophenol	ND		66.9	64.4		ug/L		96	50 - 150
2,4-Dinitrotoluene	ND		33.4	32.9		ug/L		98	50 - 150
2,6-Dinitrotoluene	ND		33.4	35.8		ug/L		107	50 - 150
Di-n-octyl phthalate	ND		33.4	31.3		ug/L		94	50 - 150
1,4-Dioxane	ND		33.4	30.2		ug/L		90	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.4	31.3		ug/L		94	50 - 150
Hexachlorobenzene	ND		33.4	31.7		ug/L		95	50 - 150
Hexachlorocyclopentadiene	ND		33.4	23.7		ug/L		71	50 - 150
Hexachloroethane	ND		33.4	20.4		ug/L		61	50 - 150
Indene	ND		33.4	24.9		ug/L		75	50 - 150
Isophorone	ND		33.4	31.4		ug/L		94	50 - 150
2-Methylphenol	ND		33.4	29.6		ug/L		88	50 - 150
3 & 4 Methylphenol	ND		33.4	32.6		ug/L		97	50 - 150
2-Nitroaniline	ND		33.4	33.1		ug/L		99	50 - 150
3-Nitroaniline	ND		33.4	32.4		ug/L		97	50 - 150
4-Nitroaniline	ND		33.4	31.6		ug/L		94	50 - 150
Nitrobenzene	ND		33.4	30.3		ug/L		91	50 - 150
2-Nitrophenol	ND		33.4	35.2		ug/L		105	50 - 150
4-Nitrophenol	ND		66.9	84.0		ug/L		126	50 - 150
N-Nitrosodimethylamine	ND		33.4	30.4		ug/L		91	50 - 150
N-Nitrosodi-n-propylamine	ND		33.4	31.5		ug/L		94	50 - 150
N-Nitrosodiphenylamine	ND		33.2	32.1		ug/L		97	50 - 150
Pentachlorophenol	ND		66.9	69.2		ug/L		104	50 - 150
Phenol	ND		33.4	32.3		ug/L		97	50 - 150
Pyridine	ND		66.9	69.6		ug/L		104	50 - 150
Quinoline	ND		33.4	35.3		ug/L		106	50 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283996-5 MS
Matrix: Water
Analysis Batch: 727077

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		33.4	33.4		ug/L		100	50 - 150
2,4,6-Trichlorophenol	ND		33.4	32.4		ug/L		97	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*63*		*43 - 147*
2-Fluorobiphenyl	*87*		*25 - 139*
2-Fluorophenol	*92*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*89*		*10 - 150*
Terphenyl-d14	*63*		*28 - 150*
2,4,6-Tribromophenol	*103*		*10 - 150*

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 727076

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		33.6	30.0		ug/L		89	50 - 150	0	40
Aniline	ND		33.6	35.8		ug/L		107	50 - 150	8	40
Acenaphthylene	ND		33.6	29.9		ug/L		89	50 - 150	2	40
Anthracene	ND		33.6	32.9		ug/L		98	50 - 150	2	40
Benzoic acid	ND		153	181		ug/L		118	50 - 150	9	40
Benzo[a]anthracene	ND		33.6	31.8		ug/L		95	50 - 150	0	40
Benzyl alcohol	ND		33.6	47.6		ug/L		142	50 - 150	14	40
Benzo[a]pyrene	ND		33.6	31.3		ug/L		93	50 - 150	0	40
Bis(2-chloroethoxy)methane	ND		33.6	36.5		ug/L		109	50 - 150	1	40
Benzo[b]fluoranthene	ND		33.6	33.8		ug/L		101	50 - 150	1	40
Bis(2-chloroethyl)ether	ND		33.6	31.8		ug/L		95	50 - 150	7	40
Benzo[g,h,i]perylene	ND		33.6	30.7		ug/L		92	50 - 150	1	40
bis (2-chloroisopropyl) ether	ND		33.6	32.9		ug/L		98	50 - 150	8	40
Benzo[k]fluoranthene	ND		33.6	30.6		ug/L		91	50 - 150	1	40
Bis(2-ethylhexyl) phthalate	ND		33.6	30.2		ug/L		90	50 - 150	1	40
4-Bromophenyl phenyl ether	ND		33.6	32.4		ug/L		97	50 - 150	0	40
Chrysene	ND		33.6	31.2		ug/L		93	50 - 150	4	40
Butyl benzyl phthalate	ND		33.6	29.7		ug/L		89	50 - 150	3	40
Dibenz(a,h)anthracene	ND		33.6	30.1		ug/L		90	50 - 150	0	40
4-Chloroaniline	ND		33.6	38.5		ug/L		115	50 - 150	2	40
Fluoranthene	ND		33.6	32.4		ug/L		97	50 - 150	1	40
4-Chloro-3-methylphenol	ND		33.6	37.6		ug/L		112	50 - 150	0	40
Fluorene	ND		33.6	30.4		ug/L		91	50 - 150	0	40
2-Chloronaphthalene	ND	*+	33.6	27.9		ug/L		83	50 - 150	8	40
2-Chlorophenol	ND		33.6	33.9		ug/L		101	50 - 150	10	40
Indeno[1,2,3-cd]pyrene	ND		33.6	28.1		ug/L		84	50 - 150	0	40
1-Methylnaphthalene	ND		33.6	26.9		ug/L		80	50 - 150	4	40
4-Chlorophenyl phenyl ether	ND		33.6	28.6		ug/L		85	50 - 150	2	40
2-Methylnaphthalene	ND		33.6	29.4		ug/L		88	50 - 150	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 727077

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz[a,h]acridine	ND		33.5	35.0		ug/L		105	50 - 150	2	40
Dibenzofuran	ND		33.6	29.3		ug/L		87	50 - 150	1	40
3,3'-Dichlorobenzidine	ND		67.1	47.2		ug/L		70	50 - 150	3	40
Phenanthrene	ND		33.6	31.5		ug/L		94	50 - 150	2	40
2,4-Dichlorophenol	ND		33.6	34.8		ug/L		104	50 - 150	0	40
Pyrene	ND		33.6	34.8		ug/L		104	50 - 150	2	40
Diethyl phthalate	ND		33.6	28.4		ug/L		85	50 - 150	3	40
2,4-Dimethylphenol	ND		33.6	31.8		ug/L		95	50 - 150	2	40
Dimethyl phthalate	ND		33.6	26.0		ug/L		77	50 - 150	7	40
Di-n-butyl phthalate	ND		33.6	31.6		ug/L		94	50 - 150	2	40
4,6-Dinitro-ortho-cresol	ND		67.1	67.5		ug/L		101	50 - 150	2	40
2,4-Dinitrophenol	ND		67.1	68.0		ug/L		101	50 - 150	5	40
2,4-Dinitrotoluene	ND		33.6	33.4		ug/L		99	50 - 150	1	40
2,6-Dinitrotoluene	ND		33.6	35.8		ug/L		107	50 - 150	0	40
Di-n-octyl phthalate	ND		33.6	31.1		ug/L		93	50 - 150	1	40
1,4-Dioxane	ND		33.6	34.9		ug/L		104	50 - 150	14	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.6	31.2		ug/L		93	50 - 150	1	40
Hexachlorobenzene	ND		33.6	31.8		ug/L		95	50 - 150	0	40
Hexachlorocyclopentadiene	ND		33.6	24.0		ug/L		72	50 - 150	1	40
Hexachloroethane	ND		33.6	22.7		ug/L		68	50 - 150	10	40
Indene	ND		33.6	26.4		ug/L		79	50 - 150	6	40
Isophorone	ND		33.6	33.7		ug/L		100	50 - 150	7	40
2-Methylphenol	ND		33.6	34.9		ug/L		104	50 - 150	17	40
3 & 4 Methylphenol	ND		33.6	37.8		ug/L		113	50 - 150	15	40
2-Nitroaniline	ND		33.6	33.9		ug/L		101	50 - 150	2	40
3-Nitroaniline	ND		33.6	33.1		ug/L		98	50 - 150	2	40
4-Nitroaniline	ND		33.6	31.5		ug/L		94	50 - 150	0	40
Nitrobenzene	ND		33.6	32.8		ug/L		98	50 - 150	8	40
2-Nitrophenol	ND		33.6	33.9		ug/L		101	50 - 150	4	40
4-Nitrophenol	ND		67.1	90.9		ug/L		135	50 - 150	8	40
N-Nitrosodimethylamine	ND		33.6	35.4		ug/L		105	50 - 150	15	40
N-Nitrosodi-n-propylamine	ND		33.6	34.2		ug/L		102	50 - 150	8	40
N-Nitrosodiphenylamine	ND		33.3	32.1		ug/L		96	50 - 150	0	40
Pentachlorophenol	ND		67.1	70.2		ug/L		105	50 - 150	1	40
Phenol	ND		33.6	41.5		ug/L		124	50 - 150	25	40
Pyridine	ND		67.1	72.4		ug/L		108	50 - 150	4	40
Quinoline	ND		33.5	36.1		ug/L		108	50 - 150	2	40
2,4,5-Trichlorophenol	ND		33.6	32.8		ug/L		98	50 - 150	2	40
2,4,6-Trichlorophenol	ND		33.6	32.3		ug/L		96	50 - 150	0	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*15 - 150*
Nitrobenzene-d5	*93*		*50 - 150*
Terphenyl-d14	*59*		*43 - 147*
2-Fluorobiphenyl	*86*		*25 - 139*
2-Fluorophenol	*113*		*10 - 150*
Nitrobenzene-d5	*93*		*22 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: 400-283996-5 MSD
Matrix: Water
Analysis Batch: 727077

Client Sample ID: P54-ROX-101025
Prep Type: Total/NA
Prep Batch: 726759

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5	115		10 - 150
Terphenyl-d14	59		28 - 150
2,4,6-Tribromophenol	98		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/10/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-101025-8260	10/10/2025	0000	Water	2					2	X			
	TB-ROX-101025-8260SIM	10/10/2025	0000	Water	2					2		X		
	MW3-ROX-101025	10/10/2025	0955	Water	6			4		10	X	X	X	X
	MW5-ROX-101025	10/10/2025	1115	Water	6			4		10	X	X	X	X
	P54-ROX-101025	10/10/2025	1340	Water	6			4		10	X	X	X	X
	P54-ROX-101025-MS	10/10/2025	1340	Water	6			4		10	X	X	X	X
	P54-ROX-101025-MSD	10/10/2025	1340	Water	6			4		10	X	X	X	X

400-283996 Chain of Custody

FIELD NOTES:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5476	10/10/2025	1600
Relinquished by (Signature)	Received by (Signature)	Date:	Time:
Relinquished by (Signature)	Received by: (Signature)	Date: 10/11/25	Time: 920

Version: 21July25

CUSTODY SEALS: 2698078/ 2698079

0.6°C IR8

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10/27/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850 474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387175 1
Client Contact	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400-283996-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/22/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534-5200(Tel) 708 534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			
N/A	N/A			

400-283996 COC

Analysis Requested

Preservation Codes:

Other
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB-ROX-101025-8260 (400-283996-1)	10/10/25	Central	G	Water			X	2	
MW3-ROX-101025 (400-283996-3)	10/10/25	09 55 Central	G	Water			X	3	
MW5-ROX-101025 (400-283996-4)	10/10/25	11 15 Central	G	Water			X	3	
P54 ROX-101025 (400-283996-5)	10/10/25	13 40 Central	G	Water			X	3	
P54-ROX-101025 (400-283996-5MS)	10/10/25	13 40 Central	G	Water			X	3	
P54-ROX-101025 (400-283996-5MSD)	10/10/25	13 40 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10/13/25 1700	EET		10/14/25 0845	EET
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.1 → 0.1

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283996-1

Login Number: 283996
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-283996-1

Login Number: 283996
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/14/25 01:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-283996-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284047-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/5/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			

The cooler receipt form did not indicate any problems.

Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW14-ROX-101325	SVOCs	Terphenyl-d14	35	43-147
MW14-ROX-101325	SVOCs	2,4,6-Tribromophenol	5	10-150
MW14-ROX-101325-DUP	SVOCs	Terphenyl-d14	37	43-147
MW14-ROX-101325-DUP	SVOCs	2,4,6-Tribromophenol	4	10-150
MW27-ROX-101325	SVOCs	Terphenyl-d14	40	43-147
MW27-ROX-101325	SVOCs	2,4,6-Tribromophenol	6	10-150
MW28-ROX-101325	SVOCs	Terphenyl-d14	41	43-147
MW28-ROX-101325	SVOCs	2,4,6-Tribromophenol	6	10-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.		X		

Field ID	Field Duplicate ID	Parameter	Analyte	RPD
MW14-ROX-101325	MW14-ROX-101325-DUP	PAHs	Anthracene	**>2X RL**

Method 8270E (VOCs)
Anthracene in field duplicate pair MW14-ROX-101325/ MW14-ROX-101325-DUP was qualified as estimated (J).

Matrix Spike	MS recoveries met acceptance criteria.			X	

<table>
<tr><th colspan="6">Stage 2A Validation</th></tr>
<tr><th rowspan="2">Item Reviewed</th><th rowspan="2">Acceptable Criteria</th><th colspan="3">Quality Condition</th><th rowspan="2">Comments</th></tr>
<tr><th>Pass</th><th>Fail[1]</th><th>N/A</th></tr>
<tr><td>Laboratory Control Spike</td><td>LCS was performed at the required frequency and LCS recoveries met acceptance criteria.</td><td></td><td>X</td><td></td><td></td></tr>
<tr><td colspan="6">
<table>
<tr><th>LCS/LCSD ID</th><th>Parameter</th><th>Analyte</th><th>LCS/LCSD Recovery</th><th>RPD</th><th>LCS/LCSD/RPD Criteria</th></tr>
<tr><td rowspan="2">LCS 500-839099/3</td><td rowspan="2">VOCs</td><td>Dichlorodifluoromethane</td><td>170/178</td><td>4</td><td>40–159/20</td></tr>
<tr><td>Vinyl chloride</td><td>122/127</td><td>4</td><td>64-126/20</td></tr>
</table>
Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.
</td></tr>
<tr><td>Trip/Field/Equipment Blank</td><td>Target analytes were not detected in the trip/field/equipment blank.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Laboratory Blank</td><td>Target analytes were not detected in the laboratory blank.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Detection Limits[2]</td><td>No results were reported as non-detect at elevated detection limits.</td><td>X</td><td></td><td></td><td>Samples analyzed did not require dilution.</td></tr>
<tr><td>Reporting/Other</td><td>No other quality issues were noted that would impact the usability of this data set.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Usability</td><td>No results qualified as unusable.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Historical</td><td>Sample results were within 3 standard deviations from historical mean.</td><td>X</td><td></td><td></td><td></td></tr>
</table>

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) and continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-101325	VOCs	Acrolein	UJ
MW14-ROX-101325	VOCs	Acetone	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
MW14-ROX-101325	VOCs	Vinyl acetate			UJ
MW14-ROX-101325	VOCs	2-Butanone (MEK)			UJ
MW14-ROX-101325	VOCs	2-Chloroethyl vinyl ether			UJ
MW14-ROX-101325	VOCs	4-Methyl-2-pentanone (MIBK)			UJ
MW14-ROX-101325	VOCs	trans-1,3-Dichloropropene			UJ
MW14-ROX-101325	VOCs	2-Hexanone			UJ
MW14-ROX-101325	VOCs	Dibromochloromethane			UJ
MW14-ROX-101325	VOCs	Bromoform			UJ
MW14-ROX-101325	VOCs	1,1,2,2-Tetrachloroethane			UJ
MW14-ROX-101325-DUP	VOCs	Acrolein			UJ
MW14-ROX-101325-DUP	VOCs	Acetone			UJ
MW14-ROX-101325-DUP	VOCs	Vinyl acetate			UJ
MW14-ROX-101325-DUP	VOCs	2-Butanone (MEK)			UJ
MW14-ROX-101325-DUP	VOCs	2-Chloroethyl vinyl ether			UJ
MW14-ROX-101325-DUP	VOCs	4-Methyl-2-pentanone (MIBK)			UJ
MW14-ROX-101325-DUP	VOCs	trans-1,3-Dichloropropene			UJ
MW14-ROX-101325-DUP	VOCs	2-Hexanone			UJ
MW14-ROX-101325-DUP	VOCs	Dibromochloromethane			UJ
MW14-ROX-101325-DUP	VOCs	Bromoform			UJ
MW14-ROX-101325-DUP	VOCs	1,1,2,2-Tetrachloroethane			UJ
MW27-ROX-101325	VOCs	Acrolein			UJ
MW27-ROX-101325	VOCs	Acetone			UJ
MW27-ROX-101325	VOCs	Vinyl acetate			UJ
MW27-ROX-101325	VOCs	2-Butanone (MEK)			UJ
MW27-ROX-101325	VOCs	2-Chloroethyl vinyl ether			UJ
MW27-ROX-101325	VOCs	4-Methyl-2-pentanone (MIBK)			UJ
MW27-ROX-101325	VOCs	trans-1,3-Dichloropropene			UJ
MW27-ROX-101325	VOCs	2-Hexanone			UJ
MW27-ROX-101325	VOCs	Dibromochloromethane			UJ
MW27-ROX-101325	VOCs	Bromoform			UJ
MW27-ROX-101325	VOCs	1,1,2,2-Tetrachloroethane			UJ
MW28-ROX-101325	VOCs	Acrolein			UJ
MW28-ROX-101325	VOCs	Acetone			UJ
MW28-ROX-101325	VOCs	Vinyl acetate			UJ
MW28-ROX-101325	VOCs	2-Butanone (MEK)			UJ
MW28-ROX-101325	VOCs	2-Chloroethyl vinyl ether			UJ
MW28-ROX-101325	VOCs	4-Methyl-2-pentanone (MIBK)			UJ
MW28-ROX-101325	VOCs	trans-1,3-Dichloropropene			UJ
MW28-ROX-101325	VOCs	2-Hexanone			UJ
MW28-ROX-101325	VOCs	Dibromochloromethane			UJ

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW28-ROX-101325	VOCs	Bromoform			UJ	
MW28-ROX-101325	VOCs	1,1,2,2-Tetrachloroethane			UJ	

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for Dimethyl phthalate was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-101325	SVOCs	Dimethyl phthalate	UJ
MW14-ROX-101325-DUP	SVOCs	Dimethyl phthalate	UJ
MW27-ROX-101325	SVOCs	Dimethyl phthalate	UJ
MW28-ROX-101325	SVOCs	Dimethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples)			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

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JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284047-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Job Narrative
400-284047-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/14/2025 10:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-839099 was below the method criteria for the following analyte(s): Acetone, Bromodichloromethane, Bromoform, 2-Butanone (MEK), Dichlorodifluoromethane, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), 1,1,2,2-Tetrachloroethane, trans-1,3-Dichloropropene and Vinyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 500-839099 was above the method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-839099 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 500-839099 recovered outside control limits for the following analytes: Dichlorodifluoromethane and Vinyl chloride. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D_SIM: The continuing calibration verification (CCV) associated with batch 400-727977 recovered above the upper control limit for 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727032.

Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW14-ROX-101325 (400-284047-3), MW14-ROX-101325-DUP (400-284047-4), MW27-ROX-101325 (400-284047-5) and MW28-ROX-101325 (400-284047-6). These results have been reported and qualified.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727032.

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW14-ROX-101325 (400-284047-3), MW14-ROX-101325-DUP (400-284047-4), MW27-

Job ID: 400-284047-1 (Continued) Eurofins Pensacola

ROX-101325 (400-284047-5) and MW28-ROX-101325 (400-284047-6). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727468 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727468 recovered outside acceptance criteria, low biased, for Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284047-1	TB-ROX-101325-8260	Water	10/13/25 00:00	10/14/25 10:04	Illinois
400-284047-2	TB-ROX-101325-8260SIM	Water	10/13/25 00:00	10/14/25 10:04	Illinois
400-284047-3	MW14-ROX-101325	Water	10/13/25 09:45	10/14/25 10:04	Illinois
400-284047-4	MW14-ROX-101325-DUP	Water	10/13/25 09:45	10/14/25 10:04	Illinois
400-284047-5	MW27-ROX-101325	Water	10/13/25 12:10	10/14/25 10:04	Illinois
400-284047-6	MW28-ROX-101325	Water	10/13/25 13:50	10/14/25 10:04	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: TB-ROX-101325-8260 — Lab Sample ID: 400-284047-1

No Detections.

Client Sample ID: TB-ROX-101325-8260SIM — Lab Sample ID: 400-284047-2

No Detections.

Client Sample ID: MW14-ROX-101325 — Lab Sample ID: 400-284047-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	3.7	J	0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene	0.13	J	0.20	0.087	ug/L	1		8270E	Total/NA

Client Sample ID: MW14-ROX-101325-DUP — Lab Sample ID: 400-284047-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.17	J J	0.20	0.074	ug/L	1		8270E	Total/NA

Client Sample ID: MW27-ROX-101325 — Lab Sample ID: 400-284047-5

No Detections.

Client Sample ID: MW28-ROX-101325 — Lab Sample ID: 400-284047-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: TB-ROX-101325-8260
Date Collected: 10/13/25 00:00
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 22:16	1
Acrolein	ND		100	35	ug/L			10/20/25 22:16	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 22:16	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 22:16	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 22:16	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 22:16	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 22:16	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 22:16	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 22:16	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 22:16	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 22:16	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 22:16	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 22:16	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 22:16	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/20/25 22:16	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 22:16	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 22:16	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 22:16	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 22:16	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 22:16	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 22:16	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 22:16	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 22:16	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 22:16	1
Dichlorodifluoromethane	ND	*+	3.0	1.8	ug/L			10/20/25 22:16	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 22:16	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 22:16	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 22:16	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 22:16	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 22:16	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 22:16	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 22:16	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 22:16	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 22:16	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 22:16	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 22:16	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 22:16	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 22:16	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 22:16	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 22:16	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 22:16	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 22:16	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 22:16	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 22:16	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 22:16	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 22:16	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 22:16	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 22:16	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: TB-ROX-101325-8260
Date Collected: 10/13/25 00:00
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 22:16	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 22:16	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 22:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 22:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 22:16	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 22:16	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 22:16	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 22:16	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 22:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 22:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 22:16	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 22:16	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 22:16	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 22:16	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 22:16	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 22:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 22:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 22:16	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 22:16	1
Vinyl chloride	ND	*+	1.0	0.47	ug/L			10/20/25 22:16	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/20/25 22:16*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/20/25 22:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*10/20/25 22:16*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/20/25 22:16*	*1*

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101325-8260SIM
Lab Sample ID: 400-284047-2
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 10:04

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/24/25 08:18	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/24/25 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*115*		*50 - 150*		*10/24/25 08:18*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/24/25 08:18*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/24/25 08:18*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW14-ROX-101325

Date Collected: 10/13/25 09:45
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 14:54	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*125*		*50 - 150*		*10/22/25 14:54*	*1*
Toluene-d8 (Surr)	*78*		*50 - 150*		*10/22/25 14:54*	*1*
4-Bromofluorobenzene	*73*		*50 - 150*		*10/22/25 14:54*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/20/25 23:06	1
Acrolein	ND	UJ	100	35	ug/L			10/20/25 23:06	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 23:06	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 23:06	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 23:06	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 23:06	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 23:06	1
Bromoform	ND	UJ	1.0	0.96	ug/L			10/20/25 23:06	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 23:06	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/20/25 23:06	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 23:06	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 23:06	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:06	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 23:06	1
2-Chloroethyl vinyl ether	ND	UJ	2.0	1.6	ug/L			10/20/25 23:06	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 23:06	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 23:06	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 23:06	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 23:06	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 23:06	1
Dibromochloromethane	ND	UJ	1.0	0.83	ug/L			10/20/25 23:06	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 23:06	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:06	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 23:06	1
Dichlorodifluoromethane	ND	*+	3.0	1.8	ug/L			10/20/25 23:06	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 23:06	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 23:06	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 23:06	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 23:06	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 23:06	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 23:06	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 23:06	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 23:06	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 23:06	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 23:06	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/20/25 23:06	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:06	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 23:06	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 23:06	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/20/25 23:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW14-ROX-101325
Date Collected: 10/13/25 09:45
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 23:06	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 23:06	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 23:06	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 23:06	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 23:06	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 23:06	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 23:06	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 23:06	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 23:06	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 23:06	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 23:06	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 23:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 23:06	1
1,1,2,2-Tetrachloroethane	ND	UJ	1.0	0.65	ug/L			10/20/25 23:06	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 23:06	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 23:06	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 23:06	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.63	ug/L			10/20/25 23:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 23:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 23:06	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 23:06	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 23:06	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 23:06	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 23:06	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 23:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 23:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:06	1
Vinyl acetate	ND	UJ	2.0	0.78	ug/L			10/20/25 23:06	1
Vinyl chloride	ND	*+	1.0	0.47	ug/L			10/20/25 23:06	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*10/20/25 23:06*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*10/20/25 23:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/20/25 23:06*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/20/25 23:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 00:27	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 00:27	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 00:27	1
Anthracene	**3.7**		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 00:27	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 00:27	1

Client Sample ID: MW14-ROX-101325
Date Collected: 10/13/25 09:45
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 00:27	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 00:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 00:27	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 00:27	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 00:27	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 00:27	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 00:27	1
Fluorene	**0.13**	**J**	0.20	0.087	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 00:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 00:27	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 00:27	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 00:27	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 00:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 00:27	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 00:27	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 00:27	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 00:27	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 00:27	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 00:27	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 00:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 00:27	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 00:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 00:27	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 00:27	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 00:27	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 00:27	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 00:27	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 00:27	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 00:27	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 00:27	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 00:27	1

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW14-ROX-101325
Lab Sample ID: 400-284047-3
Date Collected: 10/13/25 09:45
Matrix: Water
Date Received: 10/14/25 10:04

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 00:27	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 00:27	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 00:27	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 00:27	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 00:27	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 00:27	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 00:27	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*15 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
Nitrobenzene-d5	*53*		*50 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
Terphenyl-d14	*35*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
2-Fluorobiphenyl	*48*		*25 - 139*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
Nitrobenzene-d5	*53*		*22 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
Terphenyl-d14	*35*		*28 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*
2,4,6-Tribromophenol	*5*	*S1-*	*10 - 150*	*10/16/25 10:38*	*10/21/25 00:27*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW14-ROX-101325-DUP

Date Collected: 10/13/25 09:45
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 15:18	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*124*		*50 - 150*		*10/22/25 15:18*	*1*
Toluene-d8 (Surr)	*77*		*50 - 150*		*10/22/25 15:18*	*1*
4-Bromofluorobenzene	*73*		*50 - 150*		*10/22/25 15:18*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/20/25 23:32	1
Acrolein	ND	UJ	100	35	ug/L			10/20/25 23:32	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 23:32	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 23:32	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 23:32	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 23:32	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 23:32	1
Bromoform	ND	UJ	1.0	0.96	ug/L			10/20/25 23:32	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 23:32	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/20/25 23:32	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 23:32	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 23:32	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:32	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 23:32	1
2-Chloroethyl vinyl ether	ND	UJ	2.0	1.6	ug/L			10/20/25 23:32	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 23:32	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 23:32	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 23:32	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 23:32	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 23:32	1
Dibromochloromethane	ND	UJ	1.0	0.83	ug/L			10/20/25 23:32	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 23:32	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:32	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 23:32	1
Dichlorodifluoromethane	ND	*+	3.0	1.8	ug/L			10/20/25 23:32	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 23:32	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 23:32	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 23:32	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 23:32	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 23:32	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 23:32	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 23:32	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 23:32	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 23:32	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 23:32	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/20/25 23:32	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:32	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 23:32	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 23:32	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/20/25 23:32	1

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW14-ROX-101325-DUP
Lab Sample ID: 400-284047-4
Date Collected: 10/13/25 09:45
Matrix: Water
Date Received: 10/14/25 10:04

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 23:32	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 23:32	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 23:32	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 23:32	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 23:32	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 23:32	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 23:32	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 23:32	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 23:32	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 23:32	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 23:32	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 23:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 23:32	1
1,1,2,2-Tetrachloroethane	ND	UJ	1.0	0.65	ug/L			10/20/25 23:32	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 23:32	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 23:32	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 23:32	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.63	ug/L			10/20/25 23:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 23:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 23:32	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 23:32	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 23:32	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 23:32	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 23:32	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 23:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 23:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:32	1
Vinyl acetate	ND	UJ	2.0	0.78	ug/L			10/20/25 23:32	1
Vinyl chloride	ND	*+	1.0	0.47	ug/L			10/20/25 23:32	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/20/25 23:32*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*10/20/25 23:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/20/25 23:32*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/20/25 23:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/16/25 10:38	10/21/25 00:57	1
Aniline	ND		10	0.75	ug/L		10/16/25 10:38	10/21/25 00:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzenethiol	ND		10	0.61	ug/L		10/16/25 10:38	10/21/25 00:57	1
Anthracene	**0.17**	**J**	0.20	0.074	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzoic acid	ND		100	81	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 00:57	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 00:57	1

Client Sample ID: MW14-ROX-101325-DUP
Date Collected: 10/13/25 09:45
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/16/25 10:38	10/21/25 00:57	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/16/25 10:38	10/21/25 00:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 00:57	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 00:57	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 00:57	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Chloroaniline	ND		10	0.59	ug/L		10/16/25 10:38	10/21/25 00:57	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 00:57	1
Fluorene	ND		0.20	0.088	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Chlorophenol	ND		10	0.85	ug/L		10/16/25 10:38	10/21/25 00:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 00:57	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/16/25 10:38	10/21/25 00:57	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/16/25 10:38	10/21/25 00:57	1
Dibenzofuran	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 00:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 00:57	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 00:57	1
Pyrene	ND		0.20	0.096	ug/L		10/16/25 10:38	10/21/25 00:57	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 00:57	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/16/25 10:38	10/21/25 00:57	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 00:57	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 00:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/16/25 10:38	10/21/25 00:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 00:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 00:57	1
Hexachloroethane	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 00:57	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 00:57	1
Isophorone	ND		10	0.81	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Methylphenol	ND		10	0.77	ug/L		10/16/25 10:38	10/21/25 00:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 00:57	1
3-Nitroaniline	ND		10	0.96	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 00:57	1
Nitrobenzene	ND		10	0.61	ug/L		10/16/25 10:38	10/21/25 00:57	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 00:57	1
4-Nitrophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 00:57	1

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW14-ROX-101325-DUP
Lab Sample ID: 400-284047-4
Date Collected: 10/13/25 09:45
Matrix: Water
Date Received: 10/14/25 10:04

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/16/25 10:38	10/21/25 00:57	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 00:57	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 00:57	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 00:57	1
Phenol	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 00:57	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 00:57	1
Quinoline	ND		10	0.51	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/16/25 10:38	10/21/25 00:57	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*15 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
Nitrobenzene-d5	*54*		*50 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
Terphenyl-d14	*37*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
2-Fluorobiphenyl	*50*		*25 - 139*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
Nitrobenzene-d5	*54*		*22 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
Terphenyl-d14	*37*		*28 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*
2,4,6-Tribromophenol	*4*	*S1-*	*10 - 150*	*10/16/25 10:38*	*10/21/25 00:57*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW27-ROX-101325

Date Collected: 10/13/25 12:10
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 15:41	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*126*		*50 - 150*		*10/22/25 15:41*	*1*
Toluene-d8 (Surr)	*74*		*50 - 150*		*10/22/25 15:41*	*1*
4-Bromofluorobenzene	*74*		*50 - 150*		*10/22/25 15:41*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/20/25 23:57	1
Acrolein	ND	UJ	100	35	ug/L			10/20/25 23:57	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 23:57	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 23:57	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 23:57	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 23:57	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 23:57	1
Bromoform	ND	UJ	1.0	0.96	ug/L			10/20/25 23:57	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 23:57	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/20/25 23:57	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 23:57	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 23:57	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:57	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 23:57	1
2-Chloroethyl vinyl ether	ND	UJ	2.0	1.6	ug/L			10/20/25 23:57	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 23:57	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 23:57	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 23:57	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 23:57	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 23:57	1
Dibromochloromethane	ND	UJ	1.0	0.83	ug/L			10/20/25 23:57	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 23:57	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 23:57	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 23:57	1
Dichlorodifluoromethane	ND	*+	3.0	1.8	ug/L			10/20/25 23:57	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 23:57	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 23:57	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 23:57	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 23:57	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 23:57	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 23:57	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 23:57	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 23:57	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 23:57	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 23:57	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/20/25 23:57	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:57	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 23:57	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 23:57	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/20/25 23:57	1

Client Sample ID: MW27-ROX-101325
Date Collected: 10/13/25 12:10
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 23:57	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 23:57	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 23:57	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 23:57	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 23:57	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 23:57	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 23:57	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 23:57	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 23:57	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 23:57	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 23:57	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 23:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 23:57	1
1,1,2,2-Tetrachloroethane	ND	UJ	1.0	0.65	ug/L			10/20/25 23:57	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 23:57	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 23:57	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 23:57	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.63	ug/L			10/20/25 23:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 23:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 23:57	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 23:57	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 23:57	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 23:57	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 23:57	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 23:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 23:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 23:57	1
Vinyl acetate	ND	UJ	2.0	0.78	ug/L			10/20/25 23:57	1
Vinyl chloride	ND	*+	1.0	0.47	ug/L			10/20/25 23:57	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/20/25 23:57*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/20/25 23:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/20/25 23:57*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/20/25 23:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 01:27	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 01:27	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 01:27	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 01:27	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 01:27	1

Client Sample ID: MW27-ROX-101325
Date Collected: 10/13/25 12:10
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 01:27	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 01:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 01:27	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 01:27	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 01:27	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 01:27	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 01:27	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 01:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 01:27	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 01:27	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 01:27	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 01:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 01:27	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 01:27	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 01:27	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 01:27	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 01:27	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 01:27	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 01:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 01:27	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 01:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 01:27	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 01:27	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 01:27	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 01:27	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 01:27	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 01:27	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 01:27	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 01:27	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 01:27	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW27-ROX-101325
Date Collected: 10/13/25 12:10
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 01:27	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 01:27	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 01:27	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 01:27	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 01:27	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 01:27	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 01:27	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*15 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
Nitrobenzene-d5	*55*		*50 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
Terphenyl-d14	*40*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
2-Fluorobiphenyl	*51*		*25 - 139*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
Nitrobenzene-d5	*55*		*22 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
Phenol-d5	*66*		*10 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
Terphenyl-d14	*40*		*28 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*
2,4,6-Tribromophenol	*6*	*S1-*	*10 - 150*	*10/16/25 10:38*	*10/21/25 01:27*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW28-ROX-101325

Date Collected: 10/13/25 13:50
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 16:04	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*125*		*50 - 150*		*10/22/25 16:04*	*1*
Toluene-d8 (Surr)	*77*		*50 - 150*		*10/22/25 16:04*	*1*
4-Bromofluorobenzene	*72*		*50 - 150*		*10/22/25 16:04*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	10	4.3	ug/L			10/21/25 00:22	1
Acrolein	ND	UJ	100	35	ug/L			10/21/25 00:22	1
Acrylonitrile	ND		20	6.0	ug/L			10/21/25 00:22	1
Benzene	ND		0.50	0.18	ug/L			10/21/25 00:22	1
Bromobenzene	ND		1.0	0.60	ug/L			10/21/25 00:22	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/21/25 00:22	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/21/25 00:22	1
Bromoform	ND	UJ	1.0	0.96	ug/L			10/21/25 00:22	1
Bromomethane	ND		3.0	1.8	ug/L			10/21/25 00:22	1
2-Butanone (MEK)	ND	UJ	5.0	2.3	ug/L			10/21/25 00:22	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/21/25 00:22	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/21/25 00:22	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/21/25 00:22	1
Chloroethane	ND		5.0	0.47	ug/L			10/21/25 00:22	1
2-Chloroethyl vinyl ether	ND	UJ	2.0	1.6	ug/L			10/21/25 00:22	1
Chloroform	ND		2.0	0.92	ug/L			10/21/25 00:22	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/21/25 00:22	1
Chloromethane	ND		5.0	0.79	ug/L			10/21/25 00:22	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/21/25 00:22	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/21/25 00:22	1
Dibromochloromethane	ND	UJ	1.0	0.83	ug/L			10/21/25 00:22	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/21/25 00:22	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/21/25 00:22	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/21/25 00:22	1
Dichlorodifluoromethane	ND	*+	3.0	1.8	ug/L			10/21/25 00:22	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/21/25 00:22	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/21/25 00:22	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/21/25 00:22	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/21/25 00:22	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/21/25 00:22	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/21/25 00:22	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/21/25 00:22	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/21/25 00:22	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/21/25 00:22	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/21/25 00:22	1
2-Hexanone	ND	UJ	5.0	2.2	ug/L			10/21/25 00:22	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/21/25 00:22	1
Methylene bromide	ND		1.0	0.58	ug/L			10/21/25 00:22	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/21/25 00:22	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.0	ug/L			10/21/25 00:22	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW28-ROX-101325
Date Collected: 10/13/25 13:50
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/21/25 00:22	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/21/25 00:22	1
Naphthalene	ND		1.0	0.44	ug/L			10/21/25 00:22	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/21/25 00:22	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/21/25 00:22	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/21/25 00:22	1
o-Xylene	ND		0.50	0.21	ug/L			10/21/25 00:22	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/21/25 00:22	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/21/25 00:22	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/21/25 00:22	1
Styrene	ND		1.0	0.31	ug/L			10/21/25 00:22	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/21/25 00:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/21/25 00:22	1
1,1,2,2-Tetrachloroethane	ND	UJ	1.0	0.65	ug/L			10/21/25 00:22	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/21/25 00:22	1
Toluene	ND		0.50	0.21	ug/L			10/21/25 00:22	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/21/25 00:22	1
trans-1,3-Dichloropropene	ND	UJ	1.0	0.63	ug/L			10/21/25 00:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/21/25 00:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/21/25 00:22	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/21/25 00:22	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/21/25 00:22	1
Trichloroethene	ND		0.50	0.15	ug/L			10/21/25 00:22	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/21/25 00:22	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/21/25 00:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/21/25 00:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/21/25 00:22	1
Vinyl acetate	ND	UJ	2.0	0.78	ug/L			10/21/25 00:22	1
Vinyl chloride	ND	*+	1.0	0.47	ug/L			10/21/25 00:22	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/21/25 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*10/21/25 00:22*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/21/25 00:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/21/25 00:22*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/21/25 00:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 01:56	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 01:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 01:56	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 01:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 01:56	1

Client Sample ID: MW28-ROX-101325
Date Collected: 10/13/25 13:50
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 01:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 01:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 01:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 01:56	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 01:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 01:56	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 01:56	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 01:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 01:56	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 01:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 01:56	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 01:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 01:56	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 01:56	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 01:56	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 01:56	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 01:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 01:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 01:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 01:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 01:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 01:56	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 01:56	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 01:56	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 01:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 01:56	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 01:56	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 01:56	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 01:56	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 01:56	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Client Sample ID: MW28-ROX-101325
Date Collected: 10/13/25 13:50
Date Received: 10/14/25 10:04

Lab Sample ID: 400-284047-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 01:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 01:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 01:56	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 01:56	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 01:56	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 01:56	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 01:56	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*15 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
Nitrobenzene-d5	*53*		*50 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
Terphenyl-d14	*41*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
2-Fluorobiphenyl	*52*		*25 - 139*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
Nitrobenzene-d5	*53*		*22 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
Phenol-d5	*67*		*10 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
Terphenyl-d14	*41*		*28 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*
2,4,6-Tribromophenol	*6*	*S1-*	*10 - 150*	*10/16/25 10:38*	*10/21/25 01:56*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-284047-1	TB-ROX-101325-8260	99	107	100	97
400-284047-3	MW14-ROX-101325	96	108	97	97
400-284047-4	MW14-ROX-101325-DUP	98	106	99	100
400-284047-5	MW27-ROX-101325	98	107	98	99
400-284047-6	MW28-ROX-101325	96	107	99	98
LCS 500-839099/3	Lab Control Sample	97	99	97	98
LCSD 500-839099/4	Lab Control Sample Dup	96	102	99	97
MB 500-839099/6	Method Blank	98	108	104	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284047-2	TB-ROX-101325-8260SIM	115	88	80
400-284047-3	MW14-ROX-101325	125	78	73
400-284047-4	MW14-ROX-101325-DUP	124	77	73
400-284047-5	MW27-ROX-101325	126	74	74
400-284047-6	MW28-ROX-101325	125	77	72
LCS 400-727632/1003	Lab Control Sample	112	85	82
LCS 400-727977/1003	Lab Control Sample	111	89	83
MB 400-727632/5	Method Blank	117	82	81
MB 400-727977/5	Method Blank	114	85	80

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284047-3	MW14-ROX-101325	48	53	35 S1-	48	69	53	67	35
400-284047-4	MW14-ROX-101325-DUP	50	54	37 S1-	50	71	54	67	37
400-284047-5	MW27-ROX-101325	51	55	40 S1-	51	69	55	66	40
400-284047-6	MW28-ROX-101325	52	53	41 S1-	52	69	53	67	41
LCS 400-727032/2-A	Lab Control Sample	56	62	66	56	72	62	71	66
LCS 400-727032/4-A	Lab Control Sample				54	73	60	71	71
LCSD 400-727032/3-A	Lab Control Sample Dup	53	57	64	53	71	57	72	64
LCSD 400-727032/5-A	Lab Control Sample Dup				52	69	56	68	68
MB 400-727032/1-A	Method Blank	56	61	71	56	68	61	63	71

Surrogate Summary

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284047-3	MW14-ROX-101325	5 S1-
400-284047-4	MW14-ROX-101325-DUP	4 S1-
400-284047-5	MW27-ROX-101325	6 S1-
400-284047-6	MW28-ROX-101325	6 S1-
LCS 400-727032/2-A	Lab Control Sample	70
LCS 400-727032/4-A	Lab Control Sample	59
LCSD 400-727032/3-A	Lab Control Sample Dup	66
LCSD 400-727032/5-A	Lab Control Sample Dup	59
MB 400-727032/1-A	Method Blank	58

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284047-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-101325-8260
Lab Sample ID: 400-284047-1
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 22:16	W1T	EET CHI

Client Sample ID: TB-ROX-101325-8260SIM
Lab Sample ID: 400-284047-2
Date Collected: 10/13/25 00:00
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727977	10/24/25 08:18	WPD	EET PEN

Client Sample ID: MW14-ROX-101325
Lab Sample ID: 400-284047-3
Date Collected: 10/13/25 09:45
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 23:06	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 14:54	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 00:27	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 00:27	S1B	EET PEN

Client Sample ID: MW14-ROX-101325-DUP
Lab Sample ID: 400-284047-4
Date Collected: 10/13/25 09:45
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 23:32	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 15:18	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 00:57	S1B	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 00:57	S1B	EET PEN

Client Sample ID: MW27-ROX-101325
Lab Sample ID: 400-284047-5
Date Collected: 10/13/25 12:10
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 23:57	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 15:41	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 01:27	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 01:27	S1B	EET PEN

Client Sample ID: MW28-ROX-101325
Lab Sample ID: 400-284047-6

Date Collected: 10/13/25 13:50
Matrix: Water
Date Received: 10/14/25 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/21/25 00:22	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 16:04	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 01:56	S1B	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 01:56	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727032/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 18:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 18:56	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727632/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 07:53	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727977/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727977	10/24/25 07:54	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 500-839099/6

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 21:50	W1T	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727032/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 19:26	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727032/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 19:26	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727032/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 20:26	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727632/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727632	10/22/25 06:33	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727977/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	727977	10/24/25 06:57	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-839099/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 20:34	W1T	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727032/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 19:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 19:56	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727032/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 20:57	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-839099/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839099	10/20/25 20:59	W1T	EET CHI

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 727632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-3	MW14-ROX-101325	Total/NA	Water	8260D SIM	
400-284047-4	MW14-ROX-101325-DUP	Total/NA	Water	8260D SIM	
400-284047-5	MW27-ROX-101325	Total/NA	Water	8260D SIM	
400-284047-6	MW28-ROX-101325	Total/NA	Water	8260D SIM	
MB 400-727632/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727632/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 727977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-2	TB-ROX-101325-8260SIM	Total/NA	Water	8260D SIM	
MB 400-727977/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-727977/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 839099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-1	TB-ROX-101325-8260	Total/NA	Water	8260D	
400-284047-3	MW14-ROX-101325	Total/NA	Water	8260D	
400-284047-4	MW14-ROX-101325-DUP	Total/NA	Water	8260D	
400-284047-5	MW27-ROX-101325	Total/NA	Water	8260D	
400-284047-6	MW28-ROX-101325	Total/NA	Water	8260D	
MB 500-839099/6	Method Blank	Total/NA	Water	8260D	
LCS 500-839099/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-839099/4	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-3	MW14-ROX-101325	Total/NA	Water	3511	
400-284047-4	MW14-ROX-101325-DUP	Total/NA	Water	3511	
400-284047-5	MW27-ROX-101325	Total/NA	Water	3511	
400-284047-6	MW28-ROX-101325	Total/NA	Water	3511	
MB 400-727032/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727032/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-727032/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-3	MW14-ROX-101325	Total/NA	Water	8270E	727032
400-284047-4	MW14-ROX-101325-DUP	Total/NA	Water	8270E	727032
400-284047-5	MW27-ROX-101325	Total/NA	Water	8270E	727032
400-284047-6	MW28-ROX-101325	Total/NA	Water	8270E	727032
MB 400-727032/1-A	Method Blank	Total/NA	Water	8270E	727032
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032

Analysis Batch: 727468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-3	MW14-ROX-101325	Total/NA	Water	8270E	727032

GC/MS Semi VOA (Continued)

Analysis Batch: 727468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284047-4	MW14-ROX-101325-DUP	Total/NA	Water	8270E	727032
400-284047-5	MW27-ROX-101325	Total/NA	Water	8270E	727032
400-284047-6	MW28-ROX-101325	Total/NA	Water	8270E	727032
MB 400-727032/1-A	Method Blank	Total/NA	Water	8270E	727032
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCS 400-727032/4-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032
LCSD 400-727032/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-839099/6
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/20/25 21:50	1
Acrolein	ND		100	35	ug/L			10/20/25 21:50	1
Acrylonitrile	ND		20	6.0	ug/L			10/20/25 21:50	1
Benzene	ND		0.50	0.18	ug/L			10/20/25 21:50	1
Bromobenzene	ND		1.0	0.60	ug/L			10/20/25 21:50	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/20/25 21:50	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/20/25 21:50	1
Bromoform	ND		1.0	0.96	ug/L			10/20/25 21:50	1
Bromomethane	ND		3.0	1.8	ug/L			10/20/25 21:50	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/20/25 21:50	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/20/25 21:50	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/20/25 21:50	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/20/25 21:50	1
Chloroethane	ND		5.0	0.47	ug/L			10/20/25 21:50	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/20/25 21:50	1
Chloroform	ND		2.0	0.92	ug/L			10/20/25 21:50	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/20/25 21:50	1
Chloromethane	ND		5.0	0.79	ug/L			10/20/25 21:50	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/20/25 21:50	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/20/25 21:50	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/20/25 21:50	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/20/25 21:50	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/20/25 21:50	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/20/25 21:50	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/20/25 21:50	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/20/25 21:50	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/20/25 21:50	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/20/25 21:50	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/20/25 21:50	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/20/25 21:50	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/20/25 21:50	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/20/25 21:50	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/20/25 21:50	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/20/25 21:50	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/20/25 21:50	1
2-Hexanone	ND		5.0	2.2	ug/L			10/20/25 21:50	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/20/25 21:50	1
Methylene bromide	ND		1.0	0.58	ug/L			10/20/25 21:50	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/20/25 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/20/25 21:50	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/20/25 21:50	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/20/25 21:50	1
Naphthalene	ND		1.0	0.44	ug/L			10/20/25 21:50	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/20/25 21:50	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/20/25 21:50	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/20/25 21:50	1
o-Xylene	ND		0.50	0.21	ug/L			10/20/25 21:50	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/20/25 21:50	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-839099/6
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/20/25 21:50	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/20/25 21:50	1
Styrene	ND		1.0	0.31	ug/L			10/20/25 21:50	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/20/25 21:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/20/25 21:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/20/25 21:50	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/20/25 21:50	1
Toluene	ND		0.50	0.21	ug/L			10/20/25 21:50	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/20/25 21:50	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/20/25 21:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/20/25 21:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/20/25 21:50	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/20/25 21:50	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/20/25 21:50	1
Trichloroethene	ND		0.50	0.15	ug/L			10/20/25 21:50	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/20/25 21:50	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/20/25 21:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/20/25 21:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/20/25 21:50	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/20/25 21:50	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/20/25 21:50	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/20/25 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/20/25 21:50*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*10/20/25 21:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/20/25 21:50*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/20/25 21:50*	*1*

Lab Sample ID: LCS 500-839099/3
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	37.8		ug/L		76	40 - 143
Acrolein	2000	1250		ug/L		62	40 - 150
Acrylonitrile	500	419		ug/L		84	67 - 140
Benzene	50.0	44.6		ug/L		89	70 - 120
Bromobenzene	50.0	45.3		ug/L		91	70 - 122
Bromochloromethane	50.0	51.9		ug/L		104	65 - 122
Bromodichloromethane	50.0	42.0		ug/L		84	69 - 120
Bromoform	50.0	36.4		ug/L		73	56 - 132
Bromomethane	50.0	45.1		ug/L		90	40 - 152
2-Butanone (MEK)	50.0	30.4		ug/L		61	46 - 144
Carbon disulfide	50.0	44.4		ug/L		89	66 - 120
Carbon tetrachloride	50.0	50.0		ug/L		100	59 - 133
Chlorobenzene	50.0	46.4		ug/L		93	70 - 120
Chloroethane	50.0	48.5		ug/L		97	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-839099/3
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	35.2		ug/L		70	52 - 136
Chloroform	50.0	52.2		ug/L		104	70 - 120
Chloromethane	50.0	59.1		ug/L		118	56 - 152
cis-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	45.1		ug/L		90	64 - 127
Dibromochloromethane	50.0	40.5		ug/L		81	68 - 125
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	47.7		ug/L		95	70 - 125
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 120
Dichlorodifluoromethane	50.0	85.2	*+	ug/L		170	40 - 159
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	43.7		ug/L		87	68 - 127
1,1-Dichloroethene	50.0	44.4		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	46.6		ug/L		93	67 - 130
1,3-Dichloropropane	50.0	43.3		ug/L		87	62 - 136
2,2-Dichloropropane	50.0	48.4		ug/L		97	58 - 139
1,1-Dichloropropene	50.0	49.5		ug/L		99	70 - 121
Ethylbenzene	50.0	43.8		ug/L		88	70 - 123
Ethyl methacrylate	50.0	41.8		ug/L		84	63 - 129
Hexachlorobutadiene	50.0	46.9		ug/L		94	51 - 150
2-Hexanone	50.0	33.5		ug/L		67	54 - 146
Isopropylbenzene	50.0	48.0		ug/L		96	70 - 126
Methylene bromide	50.0	45.7		ug/L		91	70 - 120
Methylene Chloride	50.0	47.1		ug/L		94	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	35.5		ug/L		71	55 - 139
Methyl tert-butyl ether	50.0	47.9		ug/L		96	55 - 123
m-Xylene & p-Xylene	50.0	45.5		ug/L		91	70 - 125
Naphthalene	50.0	42.8		ug/L		86	53 - 144
n-Butylbenzene	50.0	48.5		ug/L		97	68 - 125
N-Propylbenzene	50.0	48.8		ug/L		98	69 - 127
o-Chlorotoluene	50.0	46.7		ug/L		93	70 - 125
o-Xylene	50.0	45.3		ug/L		91	70 - 120
p-Chlorotoluene	50.0	46.3		ug/L		93	68 - 124
p-Isopropyltoluene	50.0	48.9		ug/L		98	70 - 125
sec-Butylbenzene	50.0	47.8		ug/L		96	70 - 123
Styrene	50.0	47.8		ug/L		96	70 - 120
tert-Butylbenzene	50.0	47.5		ug/L		95	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.9		ug/L		90	70 - 125
1,1,2,2-Tetrachloroethane	50.0	39.7		ug/L		79	62 - 140
Tetrachloroethene	50.0	48.3		ug/L		97	70 - 128
Toluene	50.0	45.7		ug/L		91	70 - 125
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	35.9		ug/L		72	62 - 128
1,2,3-Trichlorobenzene	50.0	46.0		ug/L		92	51 - 145
1,2,4-Trichlorobenzene	50.0	47.2		ug/L		94	57 - 137
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	43.4		ug/L		87	71 - 130
Trichloroethene	50.0	52.6		ug/L		105	70 - 125
Trichlorofluoromethane	50.0	52.1		ug/L		104	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-839099/3
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	42.1		ug/L		84	50 - 133
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
1,3,5-Trimethylbenzene	50.0	48.0		ug/L		96	70 - 123
Vinyl acetate	50.0	33.8		ug/L		68	43 - 133
Vinyl chloride	50.0	60.9		ug/L		122	64 - 126
Xylenes, Total	100	90.8		ug/L		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: LCSD 500-839099/4
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	35.0		ug/L		70	40 - 143	8	20
Acrolein	2000	1200		ug/L		60	40 - 150	4	20
Acrylonitrile	500	413		ug/L		83	67 - 140	1	20
Benzene	50.0	44.2		ug/L		88	70 - 120	1	20
Bromobenzene	50.0	46.4		ug/L		93	70 - 122	2	20
Bromochloromethane	50.0	49.8		ug/L		100	65 - 122	4	20
Bromodichloromethane	50.0	41.4		ug/L		83	69 - 120	1	20
Bromoform	50.0	36.2		ug/L		72	56 - 132	1	20
Bromomethane	50.0	50.5		ug/L		101	40 - 152	11	20
2-Butanone (MEK)	50.0	33.2		ug/L		66	46 - 144	9	20
Carbon disulfide	50.0	44.3		ug/L		89	66 - 120	0	20
Carbon tetrachloride	50.0	50.2		ug/L		100	59 - 133	0	20
Chlorobenzene	50.0	45.9		ug/L		92	70 - 120	1	20
Chloroethane	50.0	51.1		ug/L		102	48 - 136	5	20
2-Chloroethyl vinyl ether	50.0	33.5		ug/L		67	52 - 136	5	20
Chloroform	50.0	52.4		ug/L		105	70 - 120	0	20
Chloromethane	50.0	58.5		ug/L		117	56 - 152	1	20
cis-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125	0	20
cis-1,3-Dichloropropene	50.0	45.0		ug/L		90	64 - 127	0	20
Dibromochloromethane	50.0	40.9		ug/L		82	68 - 125	1	20
1,2-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 125	1	20
1,3-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 125	2	20
1,4-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 120	0	20
Dichlorodifluoromethane	50.0	89.1	*+	ug/L		178	40 - 159	4	20
1,1-Dichloroethane	50.0	47.6		ug/L		95	70 - 125	3	20
1,2-Dichloroethane	50.0	42.8		ug/L		86	68 - 127	2	20
1,1-Dichloroethene	50.0	46.6		ug/L		93	67 - 122	5	20
1,2-Dichloropropane	50.0	46.5		ug/L		93	67 - 130	0	20
1,3-Dichloropropane	50.0	43.2		ug/L		86	62 - 136	0	20
2,2-Dichloropropane	50.0	50.1		ug/L		100	58 - 139	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-839099/4
Matrix: Water
Analysis Batch: 839099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	49.3		ug/L		99	70 - 121	0	20
Ethylbenzene			50.0	43.7		ug/L		87	70 - 123	0	20
Ethyl methacrylate			50.0	41.7		ug/L		83	63 - 129	0	20
Hexachlorobutadiene			50.0	46.3		ug/L		93	51 - 150	1	20
2-Hexanone			50.0	32.4		ug/L		65	54 - 146	3	20
Isopropylbenzene			50.0	47.4		ug/L		95	70 - 126	1	20
Methylene bromide			50.0	45.2		ug/L		90	70 - 120	1	20
Methylene Chloride			50.0	44.4		ug/L		89	69 - 125	6	20
4-Methyl-2-pentanone (MIBK)			50.0	34.3		ug/L		69	55 - 139	4	20
Methyl tert-butyl ether			50.0	46.6		ug/L		93	55 - 123	3	20
m-Xylene & p-Xylene			50.0	45.4		ug/L		91	70 - 125	0	20
Naphthalene			50.0	41.0		ug/L		82	53 - 144	4	20
n-Butylbenzene			50.0	48.2		ug/L		96	68 - 125	1	20
N-Propylbenzene			50.0	47.9		ug/L		96	69 - 127	2	20
o-Chlorotoluene			50.0	45.9		ug/L		92	70 - 125	2	20
o-Xylene			50.0	44.5		ug/L		89	70 - 120	2	20
p-Chlorotoluene			50.0	45.7		ug/L		91	68 - 124	1	20
p-Isopropyltoluene			50.0	47.9		ug/L		96	70 - 125	2	20
sec-Butylbenzene			50.0	47.2		ug/L		94	70 - 123	1	20
Styrene			50.0	47.2		ug/L		94	70 - 120	1	20
tert-Butylbenzene			50.0	47.7		ug/L		95	70 - 121	0	20
1,1,1,2-Tetrachloroethane			50.0	44.6		ug/L		89	70 - 125	1	20
1,1,2,2-Tetrachloroethane			50.0	38.0		ug/L		76	62 - 140	4	20
Tetrachloroethene			50.0	47.5		ug/L		95	70 - 128	1	20
Toluene			50.0	46.1		ug/L		92	70 - 125	1	20
trans-1,2-Dichloroethene			50.0	47.7		ug/L		95	70 - 125	0	20
trans-1,3-Dichloropropene			50.0	36.3		ug/L		73	62 - 128	1	20
1,2,3-Trichlorobenzene			50.0	45.9		ug/L		92	51 - 145	0	20
1,2,4-Trichlorobenzene			50.0	47.2		ug/L		94	57 - 137	0	20
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	70 - 125	1	20
1,1,2-Trichloroethane			50.0	44.3		ug/L		89	71 - 130	2	20
Trichloroethene			50.0	52.9		ug/L		106	70 - 125	1	20
Trichlorofluoromethane			50.0	54.9		ug/L		110	55 - 128	5	20
1,2,3-Trichloropropane			50.0	39.0		ug/L		78	50 - 133	8	20
1,2,4-Trimethylbenzene			50.0	47.2		ug/L		94	70 - 123	3	20
1,3,5-Trimethylbenzene			50.0	47.2		ug/L		94	70 - 123	2	20
Vinyl acetate			50.0	33.7		ug/L		67	43 - 133	0	20
Vinyl chloride			50.0	63.4	*+	ug/L		127	64 - 126	4	20
Xylenes, Total			100	89.9		ug/L		90	70 - 125	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-727632/5
Matrix: Water
Analysis Batch: 727632

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/22/25 07:53	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/22/25 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/22/25 07:53*	*1*
Toluene-d8 (Surr)	*82*		*50 - 150*		*10/22/25 07:53*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/22/25 07:53*	*1*

Lab Sample ID: LCS 400-727632/1003
Matrix: Water
Analysis Batch: 727632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.442		ug/L		88	50 - 150		
1,2-Dibromoethane			0.500	0.537		ug/L		107	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*112*		*50 - 150*
Toluene-d8 (Surr)	*85*		*50 - 150*
4-Bromofluorobenzene	*82*		*50 - 150*

Lab Sample ID: MB 400-727977/5
Matrix: Water
Analysis Batch: 727977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/24/25 07:54	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/24/25 07:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/24/25 07:54*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/24/25 07:54*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/24/25 07:54*	*1*

Lab Sample ID: LCS 400-727977/1003
Matrix: Water
Analysis Batch: 727977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.487		ug/L		97	50 - 150		
1,2-Dibromoethane			0.500	0.605		ug/L		121	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*83*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727032/1-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/20/25 18:56	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/20/25 18:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/20/25 18:56	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/20/25 18:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/20/25 18:56	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/20/25 18:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/20/25 18:56	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/20/25 18:56	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/20/25 18:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/20/25 18:56	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/20/25 18:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/20/25 18:56	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/20/25 18:56	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/20/25 18:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/20/25 18:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/20/25 18:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/20/25 18:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/20/25 18:56	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727032/1-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/20/25 18:56	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/20/25 18:56	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/20/25 18:56	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/20/25 18:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/20/25 18:56	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/20/25 18:56	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/20/25 18:56	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/20/25 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*15 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Nitrobenzene-d5	*61*		*50 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2-Fluorobiphenyl	*56*		*25 - 139*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Nitrobenzene-d5	*61*		*22 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Phenol-d5	*63*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Terphenyl-d14	*71*		*28 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2,4,6-Tribromophenol	*58*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	21.5		ug/L		64	29 - 150
Aniline	33.3	25.2		ug/L		76	10 - 134
Acenaphthylene	33.3	21.4		ug/L		64	30 - 150
Anthracene	33.3	24.1		ug/L		72	31 - 150
Benzoic acid	152	101		ug/L		66	10 - 180
Benzo[a]anthracene	33.3	24.7		ug/L		74	36 - 150
Benzyl alcohol	33.3	31.7	J	ug/L		95	10 - 150
Benzo[a]pyrene	33.3	24.4		ug/L		73	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.4		ug/L		82	34 - 120
Benzo[b]fluoranthene	33.3	25.9		ug/L		78	32 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	33.3	22.7		ug/L		68	32 - 114
Benzo[g,h,i]perylene	33.3	23.8		ug/L		71	28 - 150
bis (2-chloroisopropyl) ether	33.3	23.2		ug/L		70	32 - 115
Benzo[k]fluoranthene	33.3	24.1		ug/L		72	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	23.0		ug/L		69	24 - 133
4-Bromophenyl phenyl ether	33.3	24.2		ug/L		72	24 - 120
Chrysene	33.3	24.3		ug/L		73	34 - 150
Butyl benzyl phthalate	33.3	21.1		ug/L		63	24 - 140
Dibenz(a,h)anthracene	33.3	23.0		ug/L		69	29 - 150
4-Chloroaniline	33.3	28.5		ug/L		85	10 - 150
Fluoranthene	33.3	23.6		ug/L		71	30 - 150
4-Chloro-3-methylphenol	33.3	28.0		ug/L		84	10 - 137
Fluorene	33.3	21.9		ug/L		66	30 - 150
2-Chloronaphthalene	33.3	38.8		ug/L		116	10 - 150
2-Chlorophenol	33.3	24.7		ug/L		74	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	21.5		ug/L		65	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	20.6		ug/L		62	31 - 110
2-Methylnaphthalene	33.3	22.6		ug/L		68	24 - 150
Dibenz[a,h]acridine	33.3	26.0		ug/L		78	40 - 150
Dibenzofuran	33.3	21.3		ug/L		64	35 - 110
3,3'-Dichlorobenzidine	66.7	37.1		ug/L		56	10 - 150
Phenanthrene	33.3	23.2		ug/L		69	32 - 150
2,4-Dichlorophenol	33.3	24.7		ug/L		74	30 - 125
Pyrene	33.3	24.0		ug/L		72	30 - 150
Diethyl phthalate	33.3	19.2		ug/L		58	31 - 118
2,4-Dimethylphenol	33.3	22.4		ug/L		67	10 - 142
Dimethyl phthalate	33.3	17.3		ug/L		52	24 - 125
Di-n-butyl phthalate	33.3	22.6		ug/L		68	30 - 127
4,6-Dinitro-ortho-cresol	66.7	43.4		ug/L		65	10 - 150
2,4-Dinitrophenol	66.7	36.6		ug/L		55	10 - 150
2,4-Dinitrotoluene	33.3	23.3		ug/L		70	30 - 129
2,6-Dinitrotoluene	33.3	25.2		ug/L		76	34 - 132
Di-n-octyl phthalate	33.3	23.3		ug/L		70	28 - 142
1,4-Dioxane	33.3	25.9		ug/L		78	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	22.4		ug/L		67	29 - 121
Hexachlorobenzene	33.3	23.8		ug/L		71	29 - 113
Hexachlorocyclopentadiene	33.3	17.3	J	ug/L		52	10 - 150
Hexachloroethane	33.3	17.6		ug/L		53	10 - 112
Indene	33.3	19.9		ug/L		60	10 - 113
Isophorone	33.3	24.3		ug/L		73	29 - 125
2-Methylphenol	33.3	25.2		ug/L		76	11 - 121
3 & 4 Methylphenol	33.3	25.8		ug/L		78	10 - 150
2-Nitroaniline	33.3	23.9		ug/L		72	31 - 141
3-Nitroaniline	33.3	24.1		ug/L		72	33 - 136
4-Nitroaniline	33.3	24.1		ug/L		72	37 - 139
Nitrobenzene	33.3	23.2		ug/L		70	29 - 129
2-Nitrophenol	33.3	23.5		ug/L		70	31 - 142

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitrophenol	66.7	58.8		ug/L		88	10 - 150
N-Nitrosodimethylamine	33.3	25.9		ug/L		78	10 - 136
N-Nitrosodi-n-propylamine	33.3	24.6		ug/L		74	50 - 134
N-Nitrosodiphenylamine	33.1	22.9		ug/L		69	50 - 132
Pentachlorophenol	66.7	47.6		ug/L		71	14 - 150
Phenol	33.3	26.5		ug/L		79	10 - 150
Pyridine	66.7	52.5		ug/L		79	10 - 150
Quinoline	33.3	28.3		ug/L		85	40 - 150
2,4,5-Trichlorophenol	33.3	22.7		ug/L		68	27 - 136
2,4,6-Trichlorophenol	33.3	22.3		ug/L		67	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*15 - 150*
Nitrobenzene-d5	*62*		*50 - 150*
Terphenyl-d14	*66*		*43 - 147*
2-Fluorobiphenyl	*56*		*25 - 139*
2-Fluorophenol	*72*		*10 - 150*
Nitrobenzene-d5	*62*		*22 - 150*
Phenol-d5	*71*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*70*		*10 - 150*

Lab Sample ID: LCS 400-727032/4-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	17.8		ug/L		54	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*25 - 139*
2-Fluorophenol	*73*		*10 - 150*
Nitrobenzene-d5	*60*		*22 - 150*
Phenol-d5	*71*		*10 - 150*
Terphenyl-d14	*71*		*28 - 150*
2,4,6-Tribromophenol	*59*		*10 - 150*

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	21.4		ug/L		64	29 - 150	0	40
Aniline	33.3	21.7		ug/L		65	10 - 134	15	40
Acenaphthylene	33.3	21.2		ug/L		64	30 - 150	1	40
Anthracene	33.3	23.1		ug/L		69	31 - 150	4	40
Benzoic acid	152	118		ug/L		78	10 - 180	16	40
Benzo[a]anthracene	33.3	24.4		ug/L		73	36 - 150	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzyl alcohol	33.3	32.4	J	ug/L		97	10 - 150	2	40
Benzo[a]pyrene	33.3	23.1		ug/L		69	29 - 150	5	40
Bis(2-chloroethoxy)methane	33.3	26.6		ug/L		80	34 - 120	3	40
Benzo[b]fluoranthene	33.3	24.5		ug/L		73	32 - 150	6	40
Bis(2-chloroethyl)ether	33.3	21.3		ug/L		64	32 - 114	6	40
Benzo[g,h,i]perylene	33.3	22.6		ug/L		68	28 - 150	5	40
bis (2-chloroisopropyl) ether	33.3	21.9		ug/L		66	32 - 115	6	40
Benzo[k]fluoranthene	33.3	22.7		ug/L		68	30 - 150	6	40
Bis(2-ethylhexyl) phthalate	33.3	22.5		ug/L		68	24 - 133	2	40
4-Bromophenyl phenyl ether	33.3	23.4		ug/L		70	24 - 120	3	40
Chrysene	33.3	23.7		ug/L		71	34 - 150	2	40
Butyl benzyl phthalate	33.3	19.7		ug/L		59	24 - 140	7	40
Dibenz(a,h)anthracene	33.3	21.8		ug/L		65	29 - 150	5	40
4-Chloroaniline	33.3	26.1		ug/L		78	10 - 150	9	40
Fluoranthene	33.3	22.9		ug/L		69	30 - 150	3	40
4-Chloro-3-methylphenol	33.3	26.8		ug/L		80	10 - 137	4	40
Fluorene	33.3	21.6		ug/L		65	30 - 150	1	40
2-Chloronaphthalene	33.3	27.1		ug/L		81	10 - 150	35	40
2-Chlorophenol	33.3	23.3		ug/L		70	28 - 127	6	40
Indeno[1,2,3-cd]pyrene	33.3	20.5		ug/L		61	28 - 150	5	40
1-Methylnaphthalene	33.3	20.9		ug/L		63	25 - 150	1	40
4-Chlorophenyl phenyl ether	33.3	20.4		ug/L		61	31 - 110	1	40
2-Methylnaphthalene	33.3	22.5		ug/L		67	24 - 150	0	40
Dibenz[a,h]acridine	33.3	24.2		ug/L		73	40 - 150	7	40
Dibenzofuran	33.3	21.0		ug/L		63	35 - 110	1	40
3,3'-Dichlorobenzidine	66.7	33.6		ug/L		50	10 - 150	10	40
Phenanthrene	33.3	22.6		ug/L		68	32 - 150	3	40
2,4-Dichlorophenol	33.3	23.6		ug/L		71	30 - 125	5	40
Pyrene	33.3	23.3		ug/L		70	30 - 150	3	40
Diethyl phthalate	33.3	18.7		ug/L		56	31 - 118	3	40
2,4-Dimethylphenol	33.3	22.5		ug/L		67	10 - 142	1	40
Dimethyl phthalate	33.3	16.6		ug/L		50	24 - 125	4	40
Di-n-butyl phthalate	33.3	21.3		ug/L		64	30 - 127	6	40
4,6-Dinitro-ortho-cresol	66.7	42.8		ug/L		64	10 - 150	1	40
2,4-Dinitrophenol	66.7	37.1		ug/L		56	10 - 150	1	40
2,4-Dinitrotoluene	33.3	23.3		ug/L		70	30 - 129	0	40
2,6-Dinitrotoluene	33.3	24.7		ug/L		74	34 - 132	2	40
Di-n-octyl phthalate	33.3	22.9		ug/L		69	28 - 142	2	40
1,4-Dioxane	33.3	26.3		ug/L		79	10 - 137	2	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	22.2		ug/L		67	29 - 121	1	40
Hexachlorobenzene	33.3	22.9		ug/L		69	29 - 113	4	40
Hexachlorocyclopentadiene	33.3	19.2	J	ug/L		58	10 - 150	11	40
Hexachloroethane	33.3	17.5		ug/L		52	10 - 112	1	40
Indene	33.3	17.9		ug/L		54	10 - 113	11	40
Isophorone	33.3	22.8		ug/L		68	29 - 125	6	40
2-Methylphenol	33.3	22.7		ug/L		68	11 - 121	11	40
3 & 4 Methylphenol	33.3	24.8		ug/L		74	10 - 150	4	40
2-Nitroaniline	33.3	23.7		ug/L		71	31 - 141	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Nitroaniline			33.3	23.8		ug/L		71	33 - 136	1	40
4-Nitroaniline			33.3	23.7		ug/L		71	37 - 139	2	40
Nitrobenzene			33.3	21.8		ug/L		65	29 - 129	6	40
2-Nitrophenol			33.3	23.6		ug/L		71	31 - 142	0	40
4-Nitrophenol			66.7	62.9		ug/L		94	10 - 150	7	40
N-Nitrosodimethylamine			33.3	26.3		ug/L		79	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	22.5		ug/L		68	50 - 134	9	40
N-Nitrosodiphenylamine			33.1	22.3		ug/L		67	50 - 132	3	40
Pentachlorophenol			66.7	46.4		ug/L		70	14 - 150	3	40
Phenol			33.3	26.9		ug/L		81	10 - 150	2	40
Pyridine			66.7	53.2		ug/L		80	10 - 150	1	40
Quinoline			33.3	27.7		ug/L		83	40 - 150	2	40
2,4,5-Trichlorophenol			33.3	21.6		ug/L		65	27 - 136	5	40
2,4,6-Trichlorophenol			33.3	21.7		ug/L		65	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*53*		*15 - 150*
Nitrobenzene-d5	*57*		*50 - 150*
Terphenyl-d14	*64*		*43 - 147*
2-Fluorobiphenyl	*53*		*25 - 139*
2-Fluorophenol	*71*		*10 - 150*
Nitrobenzene-d5	*57*		*22 - 150*
Phenol-d5	*72*		*10 - 150*
Terphenyl-d14	*64*		*28 - 150*
2,4,6-Tribromophenol	*66*		*10 - 150*

Lab Sample ID: LCSD 400-727032/5-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	17.5		ug/L		52	10 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*25 - 139*
2-Fluorophenol	*69*		*10 - 150*
Nitrobenzene-d5	*56*		*22 - 150*
Phenol-d5	*68*		*10 - 150*
Terphenyl-d14	*68*		*28 - 150*
2,4,6-Tribromophenol	*59*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/13/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM	LOG CODE:	SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA	State: IL
ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA		AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2	
PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell		EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions	PHONE NO.: 314-802-1207
TELEPHONE: 314-429-0100	FAX: 314-429-0462	Bill To Contact E-MAIL: melissa.remiger@aecom.com	E-MAIL: melissa.remiger@aecom.com
		AECOM Other ID: Roxana 4Q25 Groundwater	
		SAMPLER NAME(S) (Print): S.MCLEAN, E.NEAL	

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

400-284047 Chain of Custody

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

0.0 IR10

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-101325-8260	10/13/2025	0000	Water	2					2	X			
	TB-ROX-101325-8260SIM	10/13/2025	0000	Water	2					2		X		
	MW14-ROX-101325	10/13/2025	0945	Water	6			4		10	X	X	X	X
	MW14-ROX-101325-DUP	10/13/2025	0945	Water	6			4		10	X	X	X	X
	MW27-ROX-101325	10/13/2025	1210	Water	6			4		10	X	X	X	X
	MW28-ROX-101325	10/13/2025	1350	Water	6			4		10	X	X	X	X

101325

FIELD NOTES:

Relinquished by: (Signature) S.MCLEAN	Received by: (Signature) FEDEX: 4234 9608 5498	Date: 10/13/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/14/25	Time: 1004

Version: 2 July25

CUSTODY SEALS: 2698083/ 2698082

10/27/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474 1001 Fax 850 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387365 1
Client Contact	**Phone**	**E Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP Illinois		400 284047-1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/23/2025			
City	**TAT Requested (days)**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534 5200(Tel) 708-534-5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			
N/A	N/A			

400-284047 COC

Analysis Requested

Preservation Codes.

Other
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TB ROX 101325-8260 (400 284047-1)	10/13/25	Central	G	Water			X	2	
MW14-ROX-101325 (400 284047-3)	10/13/25	09.45 Central	G	Water			X	3	
MW14 ROX-101325-DUP (400 284047-4)	10/13/25	09.45 Central	G	Water			X	3	
MW27 ROX-101325 (400-284047 5)	10/13/25	12 10 Central	G	Water			X	3	
MW28-ROX-101325 (400 284047-6)	10/13/25	13 50 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company		Date/Time	Company
Relinquished by	10/15/25 1700	ET	Received by	10/16/25 0925	BETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2.4-2.6

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284047-1

Login Number: 284047
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284047-1

Login Number: 284047
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/16/25 06:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284047-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284156-1-R1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/5/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
ROST3MW-ROX-101425	SVOCs	Terphenyl-d14	36	43-147
ROST4PZE-ROX-101425	SVOCs	Terphenyl-d14	37	43-147
MW1-ROX-101425	SVOCs	Terphenyl-d14	35	43-147
MW2-ROX-101425	SVOCs	Terphenyl-d14	41	43-147
MW2-ROX-101425-DUP	SVOCs	Terphenyl-d14	38	43-147
ROST3MW-ROX-101425	SVOCs	2,4,6-Tribromophenol	7	10-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.	X			
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on November 6, 2025, to correct the false positive results for pyridine.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics**		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) for several acrolein was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW1-ROX-101425	VOCs	Acrolein	UJ
MW2-ROX-101425	VOCs	Acrolein	UJ
MW2-ROX-101425-DUP	VOCs	Acrolein	UJ
ROST3MW-ROX-101425	VOCs	Acrolein	UJ
ROST4PZE-ROX-101425	VOCs	Acrolein	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCVs) for dimethyl phthalate was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
ROST3MW-ROX-101425	SVOCs	Dimethyl phthalate	UJ
ROST4PZE-ROX-101425	SVOCs	Dimethyl phthalate	UJ
MW1-ROX-101425	SVOCs	Dimethyl phthalate	UJ
MW2-ROX-101425	SVOCs	Dimethyl phthalate	UJ
MW2-ROX-101425-DUP	SVOCs	Dimethyl phthalate	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/6/2025 1:17:15 PM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284156-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job Narrative
400-284156-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Revision
Report revised to correct false positiv results for pyridine. Supersedes report dated 10-29-2025.

Receipt
The samples were received on 10/15/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with the following had compounds outside 20% drift for method 8260D. A low level standard (CCVL) was analyzed at or below the reporting limit to demonstrate sensitivity for regularly requested compounds. Any detects for out of control compounds should be considered estimates.TB-ROX-101425-8260-(400-284156-1), ROST3MW-ROX-101425 (400-284156-3), ROST4PZE-ROX-101425 (400-284156-4), MW1-ROX-101425 (400-284156-5), MW2-ROX-101425 (400-284156-6) and MW2-ROX-101425-DUP (400-284156-7)

Method 8260D: The following samples were diluted due to the abundance of target and non-target analytes: MW2-ROX-101425 (400-284156-6) and MW2-ROX-101425-DUP (400-284156-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727032.

Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: ROST3MW-ROX-101425 (400-284156-3), ROST4PZE-ROX-101425 (400-284156-4), MW1-ROX-101425 (400-284156-5), MW2-ROX-101425 (400-284156-6) and MW2-ROX-101425-DUP (400-284156-7). These results have been reported and qualified.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727032.

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: ROST3MW-ROX-101425 (400-284156-3). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727468 recovered above the upper control limit for Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727468 recovered outside acceptance criteria, low biased, for Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284156-1	TB-ROX-101425-8260-	Water	10/14/25 00:00	10/15/25 09:15	Illinois
400-284156-2	TB-ROX-101425-8260-SIM	Water	10/14/25 00:00	10/15/25 09:15	Illinois
400-284156-3	ROST3MW-ROX-101425	Water	10/14/25 10:00	10/15/25 09:15	Illinois
400-284156-4	ROST4PZE-ROX-101425	Water	10/14/25 11:30	10/15/25 09:15	Illinois
400-284156-5	MW1-ROX-101425	Water	10/14/25 12:40	10/15/25 09:15	Illinois
400-284156-6	MW2-ROX-101425	Water	10/14/25 13:40	10/15/25 09:15	Illinois
400-284156-7	MW2-ROX-101425-DUP	Water	10/14/25 13:40	10/15/25 09:15	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: TB-ROX-101425-8260- Lab Sample ID: 400-284156-1

No Detections.

Client Sample ID: TB-ROX-101425-8260-SIM Lab Sample ID: 400-284156-2

No Detections.

Client Sample ID: ROST3MW-ROX-101425 Lab Sample ID: 400-284156-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	1.6		1.0	0.29	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	5.8		1.0	0.30	ug/L	1		8260D	Total/NA
Naphthalene	2.9		1.0	0.44	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.2		1.0	0.32	ug/L	1		8260D	Total/NA
o-Xylene	0.54		0.50	0.21	ug/L	1		8260D	Total/NA
Xylenes, Total	6.3		1.0	0.30	ug/L	1		8260D	Total/NA
Fluorene	0.11	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.7		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.66		0.20	0.076	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZE-ROX-101425 Lab Sample ID: 400-284156-4

No Detections.

Client Sample ID: MW1-ROX-101425 Lab Sample ID: 400-284156-5

No Detections.

Client Sample ID: MW2-ROX-101425 Lab Sample ID: 400-284156-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	38	J	50	22	ug/L	5		8260D	Total/NA
Ethylbenzene	260		2.5	1.0	ug/L	5		8260D	Total/NA
Isopropylbenzene	58		5.0	1.5	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	150		5.0	1.5	ug/L	5		8260D	Total/NA
Naphthalene	23		5.0	2.2	ug/L	5		8260D	Total/NA
n-Butylbenzene	8.6		5.0	1.6	ug/L	5		8260D	Total/NA
N-Propylbenzene	80		5.0	1.6	ug/L	5		8260D	Total/NA
o-Xylene	10		2.5	1.0	ug/L	5		8260D	Total/NA
p-Isopropyltoluene	5.5		5.0	1.5	ug/L	5		8260D	Total/NA
sec-Butylbenzene	6.0		5.0	1.4	ug/L	5		8260D	Total/NA
Toluene	2.2	J	2.5	1.0	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	59		5.0	1.5	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	36		5.0	1.4	ug/L	5		8260D	Total/NA
Xylenes, Total	160		5.0	1.5	ug/L	5		8260D	Total/NA
1-Methylnaphthalene	7.2		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	13		0.20	0.077	ug/L	1		8270E	Total/NA
Indene	0.63	J	10	0.44	ug/L	1		8270E	Total/NA

Client Sample ID: MW2-ROX-101425-DUP Lab Sample ID: 400-284156-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	30	J	50	22	ug/L	5		8260D	Total/NA
Benzene	0.97	J	2.5	0.88	ug/L	5		8260D	Total/NA
Ethylbenzene	250		2.5	1.0	ug/L	5		8260D	Total/NA
Isopropylbenzene	54		5.0	1.5	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	150		5.0	1.5	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW2-ROX-101425-DUP (Continued)
Lab Sample ID: 400-284156-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	22		5.0	2.2	ug/L	5		8260D	Total/NA
N-Propylbenzene	73		5.0	1.6	ug/L	5		8260D	Total/NA
o-Xylene	9.8		2.5	1.0	ug/L	5		8260D	Total/NA
p-Isopropyltoluene	5.1		5.0	1.5	ug/L	5		8260D	Total/NA
sec-Butylbenzene	5.5		5.0	1.4	ug/L	5		8260D	Total/NA
Toluene	1.9	J	2.5	1.0	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	60		5.0	1.5	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	34		5.0	1.4	ug/L	5		8260D	Total/NA
Xylenes, Total	160		5.0	1.5	ug/L	5		8260D	Total/NA
1-Methylnaphthalene	6.9		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	13		0.20	0.076	ug/L	1		8270E	Total/NA
Indene	0.55	J	9.9	0.44	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: TB-ROX-101425-8260-
Date Collected: 10/14/25 00:00
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/22/25 21:34	1
Acrolein	ND		100	35	ug/L			10/22/25 21:34	1
Acrylonitrile	ND		20	6.0	ug/L			10/22/25 21:34	1
Benzene	ND		0.50	0.18	ug/L			10/22/25 21:34	1
Bromobenzene	ND		1.0	0.60	ug/L			10/22/25 21:34	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/22/25 21:34	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/22/25 21:34	1
Bromoform	ND		1.0	0.96	ug/L			10/22/25 21:34	1
Bromomethane	ND		3.0	1.8	ug/L			10/22/25 21:34	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/22/25 21:34	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/22/25 21:34	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/22/25 21:34	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/22/25 21:34	1
Chloroethane	ND		5.0	0.47	ug/L			10/22/25 21:34	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/22/25 21:34	1
Chloroform	ND		2.0	0.92	ug/L			10/22/25 21:34	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/22/25 21:34	1
Chloromethane	ND		5.0	0.79	ug/L			10/22/25 21:34	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/22/25 21:34	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/22/25 21:34	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/22/25 21:34	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/22/25 21:34	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/22/25 21:34	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/22/25 21:34	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/22/25 21:34	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/22/25 21:34	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/22/25 21:34	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/22/25 21:34	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/22/25 21:34	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/22/25 21:34	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/22/25 21:34	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/22/25 21:34	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 21:34	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/22/25 21:34	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/22/25 21:34	1
2-Hexanone	ND		5.0	2.2	ug/L			10/22/25 21:34	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/22/25 21:34	1
Methylene bromide	ND		1.0	0.58	ug/L			10/22/25 21:34	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/22/25 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/22/25 21:34	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/22/25 21:34	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 21:34	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 21:34	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/22/25 21:34	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/22/25 21:34	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/22/25 21:34	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 21:34	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/22/25 21:34	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/22/25 21:34	1

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101425-8260-
Lab Sample ID: 400-284156-1
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/22/25 21:34	1
Styrene	ND		1.0	0.31	ug/L			10/22/25 21:34	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/22/25 21:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/22/25 21:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/22/25 21:34	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/22/25 21:34	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 21:34	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/22/25 21:34	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/22/25 21:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/22/25 21:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/22/25 21:34	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/22/25 21:34	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/22/25 21:34	1
Trichloroethene	ND		0.50	0.15	ug/L			10/22/25 21:34	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/22/25 21:34	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/22/25 21:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/22/25 21:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/22/25 21:34	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/22/25 21:34	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/22/25 21:34	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/22/25 21:34*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/22/25 21:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*10/22/25 21:34*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/22/25 21:34*	*1*

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101425-8260-SIM
Lab Sample ID: 400-284156-2
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 07:52	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/28/25 07:52*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/28/25 07:52*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/28/25 07:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: ROST3MW-ROX-101425
Date Collected: 10/14/25 10:00
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-3
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/27/25 16:33	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/27/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/27/25 16:33*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/27/25 16:33*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/27/25 16:33*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/22/25 23:38	1
Acrolein	ND	UJ	100	35	ug/L			10/22/25 23:38	1
Acrylonitrile	ND		20	6.0	ug/L			10/22/25 23:38	1
Benzene	ND		0.50	0.18	ug/L			10/22/25 23:38	1
Bromobenzene	ND		1.0	0.60	ug/L			10/22/25 23:38	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/22/25 23:38	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/22/25 23:38	1
Bromoform	ND		1.0	0.96	ug/L			10/22/25 23:38	1
Bromomethane	ND		3.0	1.8	ug/L			10/22/25 23:38	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/22/25 23:38	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/22/25 23:38	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/22/25 23:38	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/22/25 23:38	1
Chloroethane	ND		5.0	0.47	ug/L			10/22/25 23:38	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/22/25 23:38	1
Chloroform	ND		2.0	0.92	ug/L			10/22/25 23:38	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/22/25 23:38	1
Chloromethane	ND		5.0	0.79	ug/L			10/22/25 23:38	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/22/25 23:38	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/22/25 23:38	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/22/25 23:38	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/22/25 23:38	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/22/25 23:38	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/22/25 23:38	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/22/25 23:38	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/22/25 23:38	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/22/25 23:38	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/22/25 23:38	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/22/25 23:38	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/22/25 23:38	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/22/25 23:38	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/22/25 23:38	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 23:38	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/22/25 23:38	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/22/25 23:38	1
2-Hexanone	ND		5.0	2.2	ug/L			10/22/25 23:38	1
Isopropylbenzene	**1.6**		1.0	0.29	ug/L			10/22/25 23:38	1
Methylene bromide	ND		1.0	0.58	ug/L			10/22/25 23:38	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/22/25 23:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/22/25 23:38	1

Client Sample ID: ROST3MW-ROX-101425
Date Collected: 10/14/25 10:00
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/22/25 23:38	1
m-Xylene & p-Xylene	**5.8**		1.0	0.30	ug/L			10/22/25 23:38	1
Naphthalene	**2.9**		1.0	0.44	ug/L			10/22/25 23:38	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/22/25 23:38	1
N-Propylbenzene	**2.2**		1.0	0.32	ug/L			10/22/25 23:38	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/22/25 23:38	1
o-Xylene	**0.54**		0.50	0.21	ug/L			10/22/25 23:38	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/22/25 23:38	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/22/25 23:38	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/22/25 23:38	1
Styrene	ND		1.0	0.31	ug/L			10/22/25 23:38	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/22/25 23:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/22/25 23:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/22/25 23:38	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/22/25 23:38	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 23:38	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/22/25 23:38	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/22/25 23:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/22/25 23:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/22/25 23:38	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/22/25 23:38	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/22/25 23:38	1
Trichloroethene	ND		0.50	0.15	ug/L			10/22/25 23:38	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/22/25 23:38	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/22/25 23:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/22/25 23:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/22/25 23:38	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/22/25 23:38	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/22/25 23:38	1
Xylenes, Total	**6.3**		1.0	0.30	ug/L			10/22/25 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/22/25 23:38*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*10/22/25 23:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/22/25 23:38*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/22/25 23:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/16/25 10:38	10/21/25 02:26	1
Aniline	ND		9.9	0.74	ug/L		10/16/25 10:38	10/21/25 02:26	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzenethiol	ND		9.9	0.60	ug/L		10/16/25 10:38	10/21/25 02:26	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzoic acid	ND		99	79	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 02:26	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 02:26	1

Client Sample ID: ROST3MW-ROX-101425
Date Collected: 10/14/25 10:00
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 02:26	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/16/25 10:38	10/21/25 02:26	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 02:26	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/16/25 10:38	10/21/25 02:26	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 02:26	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Chloroaniline	ND		9.9	0.58	ug/L		10/16/25 10:38	10/21/25 02:26	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		10/16/25 10:38	10/21/25 02:26	1
Fluorene	**0.11**	**J**	0.20	0.086	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/16/25 10:38	10/21/25 02:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 02:26	1
1-Methylnaphthalene	**1.7**		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Methylnaphthalene	**0.66**		0.20	0.076	ug/L		10/16/25 10:38	10/21/25 02:26	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		10/16/25 10:38	10/21/25 02:26	1
Dibenzofuran	ND		9.9	0.64	ug/L		10/16/25 10:38	10/21/25 02:26	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 02:26	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		10/16/25 10:38	10/21/25 02:26	1
Pyrene	ND		0.20	0.094	ug/L		10/16/25 10:38	10/21/25 02:26	1
Diethyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		10/16/25 10:38	10/21/25 02:26	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/16/25 10:38	10/21/25 02:26	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/16/25 10:38	10/21/25 02:26	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/16/25 10:38	10/21/25 02:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/16/25 10:38	10/21/25 02:26	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/16/25 10:38	10/21/25 02:26	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 02:26	1
Hexachloroethane	ND		9.9	0.53	ug/L		10/16/25 10:38	10/21/25 02:26	1
Indene	ND		9.9	0.44	ug/L		10/16/25 10:38	10/21/25 02:26	1
Isophorone	ND		9.9	0.79	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/16/25 10:38	10/21/25 02:26	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/16/25 10:38	10/21/25 02:26	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/16/25 10:38	10/21/25 02:26	1
Nitrobenzene	ND		9.9	0.60	ug/L		10/16/25 10:38	10/21/25 02:26	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/16/25 10:38	10/21/25 02:26	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/16/25 10:38	10/21/25 02:26	1

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST3MW-ROX-101425
Lab Sample ID: 400-284156-3
Date Collected: 10/14/25 10:00
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/16/25 10:38	10/21/25 02:26	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/16/25 10:38	10/21/25 02:26	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/16/25 10:38	10/21/25 02:26	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/16/25 10:38	10/21/25 02:26	1
Phenol	ND		9.9	0.68	ug/L		10/16/25 10:38	10/21/25 02:26	1
Pyridine	ND		9.9	3.0	ug/L		10/16/25 10:38	10/21/25 02:26	1
Quinoline	ND		9.9	0.50	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		10/16/25 10:38	10/21/25 02:26	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/16/25 10:38	10/21/25 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*15 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
Nitrobenzene-d5	*50*		*50 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
Terphenyl-d14	*36*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
2-Fluorobiphenyl	*48*		*25 - 139*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
2-Fluorophenol	*59*		*10 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
Nitrobenzene-d5	*50*		*22 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
Phenol-d5	*52*		*10 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
Terphenyl-d14	*36*		*28 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*
2,4,6-Tribromophenol	*7*	*S1-*	*10 - 150*	*10/16/25 10:38*	*10/21/25 02:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: ROST4PZE-ROX-101425

Date Collected: 10/14/25 11:30
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/27/25 16:57	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/27/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*117*		*50 - 150*		*10/27/25 16:57*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/27/25 16:57*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/27/25 16:57*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/22/25 22:24	1
Acrolein	ND	UJ	100	35	ug/L			10/22/25 22:24	1
Acrylonitrile	ND		20	6.0	ug/L			10/22/25 22:24	1
Benzene	ND		0.50	0.18	ug/L			10/22/25 22:24	1
Bromobenzene	ND		1.0	0.60	ug/L			10/22/25 22:24	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/22/25 22:24	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/22/25 22:24	1
Bromoform	ND		1.0	0.96	ug/L			10/22/25 22:24	1
Bromomethane	ND		3.0	1.8	ug/L			10/22/25 22:24	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/22/25 22:24	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/22/25 22:24	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/22/25 22:24	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/22/25 22:24	1
Chloroethane	ND		5.0	0.47	ug/L			10/22/25 22:24	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/22/25 22:24	1
Chloroform	ND		2.0	0.92	ug/L			10/22/25 22:24	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/22/25 22:24	1
Chloromethane	ND		5.0	0.79	ug/L			10/22/25 22:24	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/22/25 22:24	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/22/25 22:24	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/22/25 22:24	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/22/25 22:24	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/22/25 22:24	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/22/25 22:24	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/22/25 22:24	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/22/25 22:24	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/22/25 22:24	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/22/25 22:24	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/22/25 22:24	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/22/25 22:24	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/22/25 22:24	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/22/25 22:24	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 22:24	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/22/25 22:24	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/22/25 22:24	1
2-Hexanone	ND		5.0	2.2	ug/L			10/22/25 22:24	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/22/25 22:24	1
Methylene bromide	ND		1.0	0.58	ug/L			10/22/25 22:24	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/22/25 22:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/22/25 22:24	1

Client Sample ID: ROST4PZE-ROX-101425
Date Collected: 10/14/25 11:30
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/22/25 22:24	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 22:24	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 22:24	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/22/25 22:24	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/22/25 22:24	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/22/25 22:24	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 22:24	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/22/25 22:24	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/22/25 22:24	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/22/25 22:24	1
Styrene	ND		1.0	0.31	ug/L			10/22/25 22:24	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/22/25 22:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/22/25 22:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/22/25 22:24	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/22/25 22:24	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 22:24	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/22/25 22:24	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/22/25 22:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/22/25 22:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/22/25 22:24	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/22/25 22:24	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/22/25 22:24	1
Trichloroethene	ND		0.50	0.15	ug/L			10/22/25 22:24	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/22/25 22:24	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/22/25 22:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/22/25 22:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/22/25 22:24	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/22/25 22:24	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/22/25 22:24	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/22/25 22:24*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*10/22/25 22:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*10/22/25 22:24*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/22/25 22:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 02:56	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 02:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 02:56	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 02:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 02:56	1

Client Sample ID: ROST4PZE-ROX-101425
Date Collected: 10/14/25 11:30
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 02:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 02:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 02:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 02:56	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 02:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 02:56	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 02:56	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 02:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 02:56	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 02:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 02:56	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 02:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 02:56	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 02:56	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 02:56	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 02:56	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 02:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 02:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 02:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 02:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 02:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 02:56	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 02:56	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 02:56	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 02:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 02:56	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 02:56	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 02:56	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 02:56	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 02:56	1

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZE-ROX-101425
Lab Sample ID: 400-284156-4
Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 02:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 02:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 02:56	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 02:56	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 02:56	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 02:56	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 02:56	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*15 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
Nitrobenzene-d5	*52*		*50 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
Terphenyl-d14	*37*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
2-Fluorobiphenyl	*51*		*25 - 139*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
Nitrobenzene-d5	*52*		*22 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
Phenol-d5	*64*		*10 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
Terphenyl-d14	*37*		*28 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*
2,4,6-Tribromophenol	*14*		*10 - 150*	*10/16/25 10:38*	*10/21/25 02:56*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: MW1-ROX-101425
Date Collected: 10/14/25 12:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-5
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 08:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/28/25 08:38*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/28/25 08:38*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/28/25 08:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/22/25 22:49	1
Acrolein	ND	UJ	100	35	ug/L			10/22/25 22:49	1
Acrylonitrile	ND		20	6.0	ug/L			10/22/25 22:49	1
Benzene	ND		0.50	0.18	ug/L			10/22/25 22:49	1
Bromobenzene	ND		1.0	0.60	ug/L			10/22/25 22:49	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/22/25 22:49	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/22/25 22:49	1
Bromoform	ND		1.0	0.96	ug/L			10/22/25 22:49	1
Bromomethane	ND		3.0	1.8	ug/L			10/22/25 22:49	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/22/25 22:49	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/22/25 22:49	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/22/25 22:49	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/22/25 22:49	1
Chloroethane	ND		5.0	0.47	ug/L			10/22/25 22:49	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/22/25 22:49	1
Chloroform	ND		2.0	0.92	ug/L			10/22/25 22:49	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/22/25 22:49	1
Chloromethane	ND		5.0	0.79	ug/L			10/22/25 22:49	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/22/25 22:49	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/22/25 22:49	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/22/25 22:49	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/22/25 22:49	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/22/25 22:49	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/22/25 22:49	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/22/25 22:49	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/22/25 22:49	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/22/25 22:49	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/22/25 22:49	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/22/25 22:49	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/22/25 22:49	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/22/25 22:49	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/22/25 22:49	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 22:49	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/22/25 22:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/22/25 22:49	1
2-Hexanone	ND		5.0	2.2	ug/L			10/22/25 22:49	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/22/25 22:49	1
Methylene bromide	ND		1.0	0.58	ug/L			10/22/25 22:49	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/22/25 22:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/22/25 22:49	1

Client Sample ID: MW1-ROX-101425
Date Collected: 10/14/25 12:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/22/25 22:49	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 22:49	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 22:49	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/22/25 22:49	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/22/25 22:49	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/22/25 22:49	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 22:49	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/22/25 22:49	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/22/25 22:49	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/22/25 22:49	1
Styrene	ND		1.0	0.31	ug/L			10/22/25 22:49	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/22/25 22:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/22/25 22:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/22/25 22:49	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/22/25 22:49	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 22:49	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/22/25 22:49	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/22/25 22:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/22/25 22:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/22/25 22:49	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/22/25 22:49	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/22/25 22:49	1
Trichloroethene	ND		0.50	0.15	ug/L			10/22/25 22:49	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/22/25 22:49	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/22/25 22:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/22/25 22:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/22/25 22:49	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/22/25 22:49	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/22/25 22:49	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/22/25 22:49*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/22/25 22:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*10/22/25 22:49*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/22/25 22:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 03:26	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 03:26	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 03:26	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 03:26	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 03:26	1

Client Sample ID: MW1-ROX-101425
Date Collected: 10/14/25 12:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 03:26	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 03:26	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 03:26	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 03:26	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 03:26	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 03:26	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 03:26	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 03:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 03:26	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 03:26	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 03:26	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 03:26	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 03:26	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 03:26	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 03:26	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 03:26	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 03:26	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 03:26	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 03:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 03:26	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 03:26	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 03:26	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 03:26	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/21/25 03:26	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 03:26	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 03:26	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 03:26	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 03:26	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 03:26	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 03:26	1

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW1-ROX-101425
Lab Sample ID: 400-284156-5
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 03:26	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 03:26	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 03:26	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 03:26	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 03:26	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 03:26	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 03:26	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*15 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
Nitrobenzene-d5	*52*		*50 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
Terphenyl-d14	*35*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
2-Fluorobiphenyl	*48*		*25 - 139*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
2-Fluorophenol	*69*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
Nitrobenzene-d5	*52*		*22 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
Phenol-d5	*63*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
Terphenyl-d14	*35*		*28 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*
2,4,6-Tribromophenol	*10*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: MW2-ROX-101425

Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 09:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/28/25 09:02*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/28/25 09:02*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/28/25 09:02*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**38**	J	50	22	ug/L			10/23/25 00:26	5
Acrolein	ND	UJ	500	170	ug/L			10/23/25 00:26	5
Acrylonitrile	ND		100	30	ug/L			10/23/25 00:26	5
Benzene	ND		2.5	0.88	ug/L			10/23/25 00:26	5
Bromobenzene	ND		5.0	3.0	ug/L			10/23/25 00:26	5
Bromochloromethane	ND		5.0	2.5	ug/L			10/23/25 00:26	5
Bromodichloromethane	ND		5.0	2.8	ug/L			10/23/25 00:26	5
Bromoform	ND		5.0	4.8	ug/L			10/23/25 00:26	5
Bromomethane	ND		15	9.0	ug/L			10/23/25 00:26	5
2-Butanone (MEK)	ND		25	12	ug/L			10/23/25 00:26	5
Carbon disulfide	ND		10	5.4	ug/L			10/23/25 00:26	5
Carbon tetrachloride	ND		5.0	2.1	ug/L			10/23/25 00:26	5
Chlorobenzene	ND		5.0	2.1	ug/L			10/23/25 00:26	5
Chloroethane	ND		25	2.4	ug/L			10/23/25 00:26	5
2-Chloroethyl vinyl ether	ND		10	8.2	ug/L			10/23/25 00:26	5
Chloroform	ND		10	4.6	ug/L			10/23/25 00:26	5
1-Chlorohexane	ND		5.0	2.6	ug/L			10/23/25 00:26	5
Chloromethane	ND		25	3.9	ug/L			10/23/25 00:26	5
cis-1,2-Dichloroethene	ND		5.0	2.1	ug/L			10/23/25 00:26	5
cis-1,3-Dichloropropene	ND		5.0	2.6	ug/L			10/23/25 00:26	5
Dibromochloromethane	ND		5.0	4.1	ug/L			10/23/25 00:26	5
1,2-Dichlorobenzene	ND		5.0	2.4	ug/L			10/23/25 00:26	5
1,3-Dichlorobenzene	ND		5.0	2.0	ug/L			10/23/25 00:26	5
1,4-Dichlorobenzene	ND		5.0	2.3	ug/L			10/23/25 00:26	5
Dichlorodifluoromethane	ND		15	8.8	ug/L			10/23/25 00:26	5
1,1-Dichloroethane	ND		5.0	1.8	ug/L			10/23/25 00:26	5
1,2-Dichloroethane	ND		5.0	2.9	ug/L			10/23/25 00:26	5
1,1-Dichloroethene	ND		5.0	2.4	ug/L			10/23/25 00:26	5
1,2-Dichloropropane	ND		5.0	1.9	ug/L			10/23/25 00:26	5
1,3-Dichloropropane	ND		5.0	2.8	ug/L			10/23/25 00:26	5
2,2-Dichloropropane	ND		25	2.4	ug/L			10/23/25 00:26	5
1,1-Dichloropropene	ND		5.0	1.7	ug/L			10/23/25 00:26	5
Ethylbenzene	**260**		2.5	1.0	ug/L			10/23/25 00:26	5
Ethyl methacrylate	ND		13	4.0	ug/L			10/23/25 00:26	5
Hexachlorobutadiene	ND		5.0	2.7	ug/L			10/23/25 00:26	5
2-Hexanone	ND		25	11	ug/L			10/23/25 00:26	5
Isopropylbenzene	**58**		5.0	1.5	ug/L			10/23/25 00:26	5
Methylene bromide	ND		5.0	2.9	ug/L			10/23/25 00:26	5
Methylene Chloride	ND		25	18	ug/L			10/23/25 00:26	5
4-Methyl-2-pentanone (MIBK)	ND		25	10	ug/L			10/23/25 00:26	5

Client Sample ID: MW2-ROX-101425
Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	2.2	ug/L			10/23/25 00:26	5
m-Xylene & p-Xylene	**150**		5.0	1.5	ug/L			10/23/25 00:26	5
Naphthalene	**23**		5.0	2.2	ug/L			10/23/25 00:26	5
n-Butylbenzene	**8.6**		5.0	1.6	ug/L			10/23/25 00:26	5
N-Propylbenzene	**80**		5.0	1.6	ug/L			10/23/25 00:26	5
o-Chlorotoluene	ND		5.0	1.8	ug/L			10/23/25 00:26	5
o-Xylene	**10**		2.5	1.0	ug/L			10/23/25 00:26	5
p-Chlorotoluene	ND		5.0	1.7	ug/L			10/23/25 00:26	5
p-Isopropyltoluene	**5.5**		5.0	1.5	ug/L			10/23/25 00:26	5
sec-Butylbenzene	**6.0**		5.0	1.4	ug/L			10/23/25 00:26	5
Styrene	ND		5.0	1.5	ug/L			10/23/25 00:26	5
tert-Butylbenzene	ND		5.0	1.3	ug/L			10/23/25 00:26	5
1,1,1,2-Tetrachloroethane	ND		5.0	3.3	ug/L			10/23/25 00:26	5
1,1,2,2-Tetrachloroethane	ND		5.0	3.2	ug/L			10/23/25 00:26	5
Tetrachloroethene	ND		5.0	1.9	ug/L			10/23/25 00:26	5
Toluene	**2.2**	**J**	2.5	1.0	ug/L			10/23/25 00:26	5
trans-1,2-Dichloroethene	ND		5.0	2.2	ug/L			10/23/25 00:26	5
trans-1,3-Dichloropropene	ND		5.0	3.2	ug/L			10/23/25 00:26	5
1,2,3-Trichlorobenzene	ND		5.0	1.8	ug/L			10/23/25 00:26	5
1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L			10/23/25 00:26	5
1,1,1-Trichloroethane	ND		5.0	2.3	ug/L			10/23/25 00:26	5
1,1,2-Trichloroethane	ND		5.0	3.7	ug/L			10/23/25 00:26	5
Trichloroethene	ND		2.5	0.74	ug/L			10/23/25 00:26	5
Trichlorofluoromethane	ND		5.0	2.2	ug/L			10/23/25 00:26	5
1,2,3-Trichloropropane	ND		10	7.5	ug/L			10/23/25 00:26	5
1,2,4-Trimethylbenzene	**59**		5.0	1.5	ug/L			10/23/25 00:26	5
1,3,5-Trimethylbenzene	**36**		5.0	1.4	ug/L			10/23/25 00:26	5
Vinyl acetate	ND		10	3.9	ug/L			10/23/25 00:26	5
Vinyl chloride	ND		5.0	2.3	ug/L			10/23/25 00:26	5
Xylenes, Total	**160**		5.0	1.5	ug/L			10/23/25 00:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/23/25 00:26*	*5*
Dibromofluoromethane	*98*		*75 - 120*		*10/23/25 00:26*	*5*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/23/25 00:26*	*5*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/23/25 00:26*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/21/25 03:56	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/21/25 03:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 03:56	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 03:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 03:56	1

Client Sample ID: MW2-ROX-101425
Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 03:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 03:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 03:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/21/25 03:56	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 03:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/21/25 03:56	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/21/25 03:56	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/21/25 03:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 03:56	1
1-Methylnaphthalene	**7.2**		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Methylnaphthalene	**13**		0.20	0.077	ug/L		10/16/25 10:38	10/21/25 03:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/21/25 03:56	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/21/25 03:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 03:56	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/21/25 03:56	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/21/25 03:56	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/21/25 03:56	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/21/25 03:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/21/25 03:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/21/25 03:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/21/25 03:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/21/25 03:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 03:56	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/21/25 03:56	1
Indene	**0.63**	**J**	10	0.44	ug/L		10/16/25 10:38	10/21/25 03:56	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/21/25 03:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/21/25 03:56	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/21/25 03:56	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/21/25 03:56	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/21/25 03:56	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/21/25 03:56	1

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-101425
Lab Sample ID: 400-284156-6
Date Collected: 10/14/25 13:40
Matrix: Water
Date Received: 10/15/25 09:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/21/25 03:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/21/25 03:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/21/25 03:56	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/21/25 03:56	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/21/25 03:56	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/21/25 03:56	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/21/25 03:56	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/21/25 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*15 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
Nitrobenzene-d5	*56*		*50 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
Terphenyl-d14	*41*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
2-Fluorobiphenyl	*54*		*25 - 139*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
Nitrobenzene-d5	*56*		*22 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
Phenol-d5	*68*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
Terphenyl-d14	*41*		*28 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*
2,4,6-Tribromophenol	*14*		*10 - 150*	*10/16/25 10:38*	*10/21/25 03:56*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: MW2-ROX-101425-DUP

Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-7

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 09:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*108*		*50 - 150*		*10/28/25 09:25*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/28/25 09:25*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/28/25 09:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**30**	**J**	50	22	ug/L			10/23/25 01:15	5
Acrolein	ND	UJ	500	170	ug/L			10/23/25 01:15	5
Acrylonitrile	ND		100	30	ug/L			10/23/25 01:15	5
Benzene	**0.97**	**J**	2.5	0.88	ug/L			10/23/25 01:15	5
Bromobenzene	ND		5.0	3.0	ug/L			10/23/25 01:15	5
Bromochloromethane	ND		5.0	2.5	ug/L			10/23/25 01:15	5
Bromodichloromethane	ND		5.0	2.8	ug/L			10/23/25 01:15	5
Bromoform	ND		5.0	4.8	ug/L			10/23/25 01:15	5
Bromomethane	ND		15	9.0	ug/L			10/23/25 01:15	5
2-Butanone (MEK)	ND		25	12	ug/L			10/23/25 01:15	5
Carbon disulfide	ND		10	5.4	ug/L			10/23/25 01:15	5
Carbon tetrachloride	ND		5.0	2.1	ug/L			10/23/25 01:15	5
Chlorobenzene	ND		5.0	2.1	ug/L			10/23/25 01:15	5
Chloroethane	ND		25	2.4	ug/L			10/23/25 01:15	5
2-Chloroethyl vinyl ether	ND		10	8.2	ug/L			10/23/25 01:15	5
Chloroform	ND		10	4.6	ug/L			10/23/25 01:15	5
1-Chlorohexane	ND		5.0	2.6	ug/L			10/23/25 01:15	5
Chloromethane	ND		25	3.9	ug/L			10/23/25 01:15	5
cis-1,2-Dichloroethene	ND		5.0	2.1	ug/L			10/23/25 01:15	5
cis-1,3-Dichloropropene	ND		5.0	2.6	ug/L			10/23/25 01:15	5
Dibromochloromethane	ND		5.0	4.1	ug/L			10/23/25 01:15	5
1,2-Dichlorobenzene	ND		5.0	2.4	ug/L			10/23/25 01:15	5
1,3-Dichlorobenzene	ND		5.0	2.0	ug/L			10/23/25 01:15	5
1,4-Dichlorobenzene	ND		5.0	2.3	ug/L			10/23/25 01:15	5
Dichlorodifluoromethane	ND		15	8.8	ug/L			10/23/25 01:15	5
1,1-Dichloroethane	ND		5.0	1.8	ug/L			10/23/25 01:15	5
1,2-Dichloroethane	ND		5.0	2.9	ug/L			10/23/25 01:15	5
1,1-Dichloroethene	ND		5.0	2.4	ug/L			10/23/25 01:15	5
1,2-Dichloropropane	ND		5.0	1.9	ug/L			10/23/25 01:15	5
1,3-Dichloropropane	ND		5.0	2.8	ug/L			10/23/25 01:15	5
2,2-Dichloropropane	ND		25	2.4	ug/L			10/23/25 01:15	5
1,1-Dichloropropene	ND		5.0	1.7	ug/L			10/23/25 01:15	5
Ethylbenzene	**250**		2.5	1.0	ug/L			10/23/25 01:15	5
Ethyl methacrylate	ND		13	4.0	ug/L			10/23/25 01:15	5
Hexachlorobutadiene	ND		5.0	2.7	ug/L			10/23/25 01:15	5
2-Hexanone	ND		25	11	ug/L			10/23/25 01:15	5
Isopropylbenzene	**54**		5.0	1.5	ug/L			10/23/25 01:15	5
Methylene bromide	ND		5.0	2.9	ug/L			10/23/25 01:15	5
Methylene Chloride	ND		25	18	ug/L			10/23/25 01:15	5
4-Methyl-2-pentanone (MIBK)	ND		25	10	ug/L			10/23/25 01:15	5

Client Sample ID: MW2-ROX-101425-DUP
Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	2.2	ug/L			10/23/25 01:15	5
m-Xylene & p-Xylene	**150**		5.0	1.5	ug/L			10/23/25 01:15	5
Naphthalene	**22**		5.0	2.2	ug/L			10/23/25 01:15	5
n-Butylbenzene	ND		5.0	1.6	ug/L			10/23/25 01:15	5
N-Propylbenzene	**73**		5.0	1.6	ug/L			10/23/25 01:15	5
o-Chlorotoluene	ND		5.0	1.8	ug/L			10/23/25 01:15	5
o-Xylene	**9.8**		2.5	1.0	ug/L			10/23/25 01:15	5
p-Chlorotoluene	ND		5.0	1.7	ug/L			10/23/25 01:15	5
p-Isopropyltoluene	**5.1**		5.0	1.5	ug/L			10/23/25 01:15	5
sec-Butylbenzene	**5.5**		5.0	1.4	ug/L			10/23/25 01:15	5
Styrene	ND		5.0	1.5	ug/L			10/23/25 01:15	5
tert-Butylbenzene	ND		5.0	1.3	ug/L			10/23/25 01:15	5
1,1,1,2-Tetrachloroethane	ND		5.0	3.3	ug/L			10/23/25 01:15	5
1,1,2,2-Tetrachloroethane	ND		5.0	3.2	ug/L			10/23/25 01:15	5
Tetrachloroethene	ND		5.0	1.9	ug/L			10/23/25 01:15	5
Toluene	**1.9**	**J**	2.5	1.0	ug/L			10/23/25 01:15	5
trans-1,2-Dichloroethene	ND		5.0	2.2	ug/L			10/23/25 01:15	5
trans-1,3-Dichloropropene	ND		5.0	3.2	ug/L			10/23/25 01:15	5
1,2,3-Trichlorobenzene	ND		5.0	1.8	ug/L			10/23/25 01:15	5
1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L			10/23/25 01:15	5
1,1,1-Trichloroethane	ND		5.0	2.3	ug/L			10/23/25 01:15	5
1,1,2-Trichloroethane	ND		5.0	3.7	ug/L			10/23/25 01:15	5
Trichloroethene	ND		2.5	0.74	ug/L			10/23/25 01:15	5
Trichlorofluoromethane	ND		5.0	2.2	ug/L			10/23/25 01:15	5
1,2,3-Trichloropropane	ND		10	7.5	ug/L			10/23/25 01:15	5
1,2,4-Trimethylbenzene	**60**		5.0	1.5	ug/L			10/23/25 01:15	5
1,3,5-Trimethylbenzene	**34**		5.0	1.4	ug/L			10/23/25 01:15	5
Vinyl acetate	ND		10	3.9	ug/L			10/23/25 01:15	5
Vinyl chloride	ND		5.0	2.3	ug/L			10/23/25 01:15	5
Xylenes, Total	**160**		5.0	1.5	ug/L			10/23/25 01:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/23/25 01:15*	*5*
Dibromofluoromethane	*98*		*75 - 120*		*10/23/25 01:15*	*5*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/23/25 01:15*	*5*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/23/25 01:15*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/16/25 10:38	10/21/25 04:26	1
Aniline	ND		9.9	0.74	ug/L		10/16/25 10:38	10/21/25 04:26	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzenethiol	ND		9.9	0.60	ug/L		10/16/25 10:38	10/21/25 04:26	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzoic acid	ND		99	79	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/21/25 04:26	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/21/25 04:26	1

Client Sample ID: MW2-ROX-101425-DUP
Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/21/25 04:26	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/16/25 10:38	10/21/25 04:26	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/21/25 04:26	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/16/25 10:38	10/21/25 04:26	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/21/25 04:26	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Chloroaniline	ND		9.9	0.58	ug/L		10/16/25 10:38	10/21/25 04:26	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		10/16/25 10:38	10/21/25 04:26	1
Fluorene	ND		0.20	0.086	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/16/25 10:38	10/21/25 04:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/21/25 04:26	1
1-Methylnaphthalene	**6.9**		0.20	0.066	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Methylnaphthalene	**13**		0.20	0.076	ug/L		10/16/25 10:38	10/21/25 04:26	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		10/16/25 10:38	10/21/25 04:26	1
Dibenzofuran	ND		9.9	0.64	ug/L		10/16/25 10:38	10/21/25 04:26	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/21/25 04:26	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		10/16/25 10:38	10/21/25 04:26	1
Pyrene	ND		0.20	0.094	ug/L		10/16/25 10:38	10/21/25 04:26	1
Diethyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		10/16/25 10:38	10/21/25 04:26	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/16/25 10:38	10/21/25 04:26	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/16/25 10:38	10/21/25 04:26	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/16/25 10:38	10/21/25 04:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/16/25 10:38	10/21/25 04:26	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/16/25 10:38	10/21/25 04:26	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/21/25 04:26	1
Hexachloroethane	ND		9.9	0.53	ug/L		10/16/25 10:38	10/21/25 04:26	1
Indene	**0.55**	**J**	9.9	0.44	ug/L		10/16/25 10:38	10/21/25 04:26	1
Isophorone	ND		9.9	0.79	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/16/25 10:38	10/21/25 04:26	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/16/25 10:38	10/21/25 04:26	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/16/25 10:38	10/21/25 04:26	1
Nitrobenzene	ND		9.9	0.60	ug/L		10/16/25 10:38	10/21/25 04:26	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/16/25 10:38	10/21/25 04:26	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/16/25 10:38	10/21/25 04:26	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Client Sample ID: MW2-ROX-101425-DUP
Date Collected: 10/14/25 13:40
Date Received: 10/15/25 09:15

Lab Sample ID: 400-284156-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/16/25 10:38	10/21/25 04:26	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/16/25 10:38	10/21/25 04:26	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/16/25 10:38	10/21/25 04:26	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/16/25 10:38	10/21/25 04:26	1
Phenol	ND		9.9	0.68	ug/L		10/16/25 10:38	10/21/25 04:26	1
Pyridine	ND		9.9	3.0	ug/L		10/16/25 10:38	10/21/25 04:26	1
Quinoline	ND		9.9	0.50	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		10/16/25 10:38	10/21/25 04:26	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/16/25 10:38	10/21/25 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*15 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
Nitrobenzene-d5	*52*		*50 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
Terphenyl-d14	*38*	*S1-*	*43 - 147*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
2-Fluorobiphenyl	*49*		*25 - 139*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
Nitrobenzene-d5	*52*		*22 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
Phenol-d5	*70*		*10 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
Terphenyl-d14	*38*		*28 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*
2,4,6-Tribromophenol	*18*		*10 - 150*	*10/16/25 10:38*	*10/21/25 04:26*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
400-284156-1	TB-ROX-101425-8260-	98	105	105	98
400-284156-3	ROST3MW-ROX-101425	97	96	96	101
400-284156-4	ROST4PZE-ROX-101425	97	107	106	98
400-284156-5	MW1-ROX-101425	97	105	105	99
400-284156-6	MW2-ROX-101425	98	98	99	100
400-284156-7	MW2-ROX-101425-DUP	98	98	98	98
LCS 500-839556/3	Lab Control Sample	98	100	98	98
LCSD 500-839556/4	Lab Control Sample Dup	96	100	97	99
MB 500-839556/6	Method Blank	97	105	104	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284156-2	TB-ROX-101425-8260-SIM	113	89	82
400-284156-3	ROST3MW-ROX-101425	113	85	79
400-284156-4	ROST4PZE-ROX-101425	117	85	80
400-284156-5	MW1-ROX-101425	114	90	81
400-284156-5 MS	MW1-ROX-101425	112	90	79
400-284156-5 MSD	MW1-ROX-101425	113	88	80
400-284156-6	MW2-ROX-101425	110	92	82
400-284156-7	MW2-ROX-101425-DUP	108	92	79
LCS 400-728243/1003	Lab Control Sample	106	94	87
LCS 400-728401/1003	Lab Control Sample	111	93	84
MB 400-728243/5	Method Blank	109	89	83
MB 400-728401/5	Method Blank	113	88	83

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284156-3	ROST3MW-ROX-101425	48	50	36 S1-	48	59	50	52	36
400-284156-4	ROST4PZE-ROX-101425	51	52	37 S1-	51	68	52	64	37
400-284156-5	MW1-ROX-101425	48	52	35 S1-	48	69	52	63	35
400-284156-6	MW2-ROX-101425	54	56	41 S1-	54	75	56	68	41
400-284156-7	MW2-ROX-101425-DUP	49	52	38 S1-	49	74	52	70	38

Surrogate Summary

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-727032/2-A	Lab Control Sample	56	62	66	56	72	62	71	66
LCS 400-727032/4-A	Lab Control Sample				54	73	60	71	71
LCSD 400-727032/3-A	Lab Control Sample Dup	53	57	64	53	71	57	72	64
LCSD 400-727032/5-A	Lab Control Sample Dup				52	69	56	68	68
MB 400-727032/1-A	Method Blank	56	61	71	56	68	61	63	71

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284156-3	ROST3MW-ROX-101425	7 S1-
400-284156-4	ROST4PZE-ROX-101425	14
400-284156-5	MW1-ROX-101425	10
400-284156-6	MW2-ROX-101425	14
400-284156-7	MW2-ROX-101425-DUP	18
LCS 400-727032/2-A	Lab Control Sample	70
LCS 400-727032/4-A	Lab Control Sample	59
LCSD 400-727032/3-A	Lab Control Sample Dup	66
LCSD 400-727032/5-A	Lab Control Sample Dup	59
MB 400-727032/1-A	Method Blank	58

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284156-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030B	Purge and Trap	SW846	EET CHI
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101425-8260-
Lab Sample ID: 400-284156-1
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 21:34	W1T	EET CHI

Client Sample ID: TB-ROX-101425-8260-SIM
Lab Sample ID: 400-284156-2
Date Collected: 10/14/25 00:00
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 07:52	WPD	EET PEN

Client Sample ID: ROST3MW-ROX-101425
Lab Sample ID: 400-284156-3
Date Collected: 10/14/25 10:00
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 23:38	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728243	10/27/25 16:33	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 02:26	S1B	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 02:26	S1B	EET PEN

Client Sample ID: ROST4PZE-ROX-101425
Lab Sample ID: 400-284156-4
Date Collected: 10/14/25 11:30
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 22:24	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728243	10/27/25 16:57	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 02:56	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 02:56	S1B	EET PEN

Client Sample ID: MW1-ROX-101425
Lab Sample ID: 400-284156-5
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 22:49	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 08:38	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/21/25 03:26	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/21/25 03:26	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-101425
Lab Sample ID: 400-284156-6
Date Collected: 10/14/25 13:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	839556	10/23/25 00:26	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 09:02	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	727467	10/21/25 03:56	S1B	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	727468	10/21/25 03:56	S1B	EET PEN

Client Sample ID: MW2-ROX-101425-DUP
Lab Sample ID: 400-284156-7
Date Collected: 10/14/25 13:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	839556	10/23/25 01:15	W1T	EET CHI
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 09:25	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	727467	10/21/25 04:26	S1B	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	727468	10/21/25 04:26	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727032/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 18:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 18:56	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728243/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728243	10/27/25 07:58	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728401/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 07:28	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 500-839556/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 21:09	W1T	EET CHI

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727032/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 19:26	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 19:26	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727032/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 20:26	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728243/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728243	10/27/25 07:00	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728401/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 06:30	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 500-839556/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 19:54	W1T	EET CHI

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727032/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727467	10/20/25 19:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 19:56	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727032/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727032	10/16/25 10:38	AMM	EET PEN
Total/NA	Analysis	8270E		1			727468	10/20/25 20:57	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 500-839556/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	839556	10/22/25 20:19	W1T	EET CHI

Client Sample ID: MW1-ROX-101425
Lab Sample ID: 400-284156-5 MS
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 11:22	WPD	EET PEN

Client Sample ID: MW1-ROX-101425
Lab Sample ID: 400-284156-5 MSD
Date Collected: 10/14/25 12:40
Matrix: Water
Date Received: 10/15/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 11:45	WPD	EET PEN

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 728243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-3	ROST3MW-ROX-101425	Total/NA	Water	8260D SIM	
400-284156-4	ROST4PZE-ROX-101425	Total/NA	Water	8260D SIM	
MB 400-728243/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728243/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 728401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-2	TB-ROX-101425-8260-SIM	Total/NA	Water	8260D SIM	
400-284156-5	MW1-ROX-101425	Total/NA	Water	8260D SIM	
400-284156-6	MW2-ROX-101425	Total/NA	Water	8260D SIM	
400-284156-7	MW2-ROX-101425-DUP	Total/NA	Water	8260D SIM	
MB 400-728401/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728401/1003	Lab Control Sample	Total/NA	Water	8260D SIM	
400-284156-5 MS	MW1-ROX-101425	Total/NA	Water	8260D SIM	
400-284156-5 MSD	MW1-ROX-101425	Total/NA	Water	8260D SIM	

Analysis Batch: 839556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-1	TB-ROX-101425-8260-	Total/NA	Water	8260D	
400-284156-3	ROST3MW-ROX-101425	Total/NA	Water	8260D	
400-284156-4	ROST4PZE-ROX-101425	Total/NA	Water	8260D	
400-284156-5	MW1-ROX-101425	Total/NA	Water	8260D	
400-284156-6	MW2-ROX-101425	Total/NA	Water	8260D	
400-284156-7	MW2-ROX-101425-DUP	Total/NA	Water	8260D	
MB 500-839556/6	Method Blank	Total/NA	Water	8260D	
LCS 500-839556/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 500-839556/4	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-3	ROST3MW-ROX-101425	Total/NA	Water	3511	
400-284156-4	ROST4PZE-ROX-101425	Total/NA	Water	3511	
400-284156-5	MW1-ROX-101425	Total/NA	Water	3511	
400-284156-6	MW2-ROX-101425	Total/NA	Water	3511	
400-284156-7	MW2-ROX-101425-DUP	Total/NA	Water	3511	
MB 400-727032/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727032/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-727032/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-3	ROST3MW-ROX-101425	Total/NA	Water	8270E	727032
400-284156-4	ROST4PZE-ROX-101425	Total/NA	Water	8270E	727032
400-284156-5	MW1-ROX-101425	Total/NA	Water	8270E	727032
400-284156-6	MW2-ROX-101425	Total/NA	Water	8270E	727032
400-284156-7	MW2-ROX-101425-DUP	Total/NA	Water	8270E	727032
MB 400-727032/1-A	Method Blank	Total/NA	Water	8270E	727032

GC/MS Semi VOA (Continued)

Analysis Batch: 727467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032

Analysis Batch: 727468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284156-3	ROST3MW-ROX-101425	Total/NA	Water	8270E	727032
400-284156-4	ROST4PZE-ROX-101425	Total/NA	Water	8270E	727032
400-284156-5	MW1-ROX-101425	Total/NA	Water	8270E	727032
400-284156-6	MW2-ROX-101425	Total/NA	Water	8270E	727032
400-284156-7	MW2-ROX-101425-DUP	Total/NA	Water	8270E	727032
MB 400-727032/1-A	Method Blank	Total/NA	Water	8270E	727032
LCS 400-727032/2-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCS 400-727032/4-A	Lab Control Sample	Total/NA	Water	8270E	727032
LCSD 400-727032/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032
LCSD 400-727032/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	727032

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-839556/6
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.3	ug/L			10/22/25 21:09	1
Acrolein	ND		100	35	ug/L			10/22/25 21:09	1
Acrylonitrile	ND		20	6.0	ug/L			10/22/25 21:09	1
Benzene	ND		0.50	0.18	ug/L			10/22/25 21:09	1
Bromobenzene	ND		1.0	0.60	ug/L			10/22/25 21:09	1
Bromochloromethane	ND		1.0	0.50	ug/L			10/22/25 21:09	1
Bromodichloromethane	ND		1.0	0.57	ug/L			10/22/25 21:09	1
Bromoform	ND		1.0	0.96	ug/L			10/22/25 21:09	1
Bromomethane	ND		3.0	1.8	ug/L			10/22/25 21:09	1
2-Butanone (MEK)	ND		5.0	2.3	ug/L			10/22/25 21:09	1
Carbon disulfide	ND		2.0	1.1	ug/L			10/22/25 21:09	1
Carbon tetrachloride	ND		1.0	0.41	ug/L			10/22/25 21:09	1
Chlorobenzene	ND		1.0	0.41	ug/L			10/22/25 21:09	1
Chloroethane	ND		5.0	0.47	ug/L			10/22/25 21:09	1
2-Chloroethyl vinyl ether	ND		2.0	1.6	ug/L			10/22/25 21:09	1
Chloroform	ND		2.0	0.92	ug/L			10/22/25 21:09	1
1-Chlorohexane	ND		1.0	0.53	ug/L			10/22/25 21:09	1
Chloromethane	ND		5.0	0.79	ug/L			10/22/25 21:09	1
cis-1,2-Dichloroethene	ND		1.0	0.42	ug/L			10/22/25 21:09	1
cis-1,3-Dichloropropene	ND		1.0	0.52	ug/L			10/22/25 21:09	1
Dibromochloromethane	ND		1.0	0.83	ug/L			10/22/25 21:09	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			10/22/25 21:09	1
1,3-Dichlorobenzene	ND		1.0	0.41	ug/L			10/22/25 21:09	1
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			10/22/25 21:09	1
Dichlorodifluoromethane	ND		3.0	1.8	ug/L			10/22/25 21:09	1
1,1-Dichloroethane	ND		1.0	0.36	ug/L			10/22/25 21:09	1
1,2-Dichloroethane	ND		1.0	0.58	ug/L			10/22/25 21:09	1
1,1-Dichloroethene	ND		1.0	0.48	ug/L			10/22/25 21:09	1
1,2-Dichloropropane	ND		1.0	0.37	ug/L			10/22/25 21:09	1
1,3-Dichloropropane	ND		1.0	0.56	ug/L			10/22/25 21:09	1
2,2-Dichloropropane	ND		5.0	0.48	ug/L			10/22/25 21:09	1
1,1-Dichloropropene	ND		1.0	0.33	ug/L			10/22/25 21:09	1
Ethylbenzene	ND		0.50	0.20	ug/L			10/22/25 21:09	1
Ethyl methacrylate	ND		2.5	0.80	ug/L			10/22/25 21:09	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L			10/22/25 21:09	1
2-Hexanone	ND		5.0	2.2	ug/L			10/22/25 21:09	1
Isopropylbenzene	ND		1.0	0.29	ug/L			10/22/25 21:09	1
Methylene bromide	ND		1.0	0.58	ug/L			10/22/25 21:09	1
Methylene Chloride	ND		5.0	3.6	ug/L			10/22/25 21:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.0	ug/L			10/22/25 21:09	1
Methyl tert-butyl ether	ND		1.0	0.43	ug/L			10/22/25 21:09	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			10/22/25 21:09	1
Naphthalene	ND		1.0	0.44	ug/L			10/22/25 21:09	1
n-Butylbenzene	ND		1.0	0.33	ug/L			10/22/25 21:09	1
N-Propylbenzene	ND		1.0	0.32	ug/L			10/22/25 21:09	1
o-Chlorotoluene	ND		1.0	0.36	ug/L			10/22/25 21:09	1
o-Xylene	ND		0.50	0.21	ug/L			10/22/25 21:09	1
p-Chlorotoluene	ND		1.0	0.34	ug/L			10/22/25 21:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-839556/6
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/22/25 21:09	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/22/25 21:09	1
Styrene	ND		1.0	0.31	ug/L			10/22/25 21:09	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/22/25 21:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.67	ug/L			10/22/25 21:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.65	ug/L			10/22/25 21:09	1
Tetrachloroethene	ND		1.0	0.39	ug/L			10/22/25 21:09	1
Toluene	ND		0.50	0.21	ug/L			10/22/25 21:09	1
trans-1,2-Dichloroethene	ND		1.0	0.44	ug/L			10/22/25 21:09	1
trans-1,3-Dichloropropene	ND		1.0	0.63	ug/L			10/22/25 21:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/22/25 21:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.31	ug/L			10/22/25 21:09	1
1,1,1-Trichloroethane	ND		1.0	0.45	ug/L			10/22/25 21:09	1
1,1,2-Trichloroethane	ND		1.0	0.73	ug/L			10/22/25 21:09	1
Trichloroethene	ND		0.50	0.15	ug/L			10/22/25 21:09	1
Trichlorofluoromethane	ND		1.0	0.44	ug/L			10/22/25 21:09	1
1,2,3-Trichloropropane	ND		2.0	1.5	ug/L			10/22/25 21:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.30	ug/L			10/22/25 21:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.29	ug/L			10/22/25 21:09	1
Vinyl acetate	ND		2.0	0.78	ug/L			10/22/25 21:09	1
Vinyl chloride	ND		1.0	0.47	ug/L			10/22/25 21:09	1
Xylenes, Total	ND		1.0	0.30	ug/L			10/22/25 21:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*10/22/25 21:09*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*10/22/25 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/22/25 21:09*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/22/25 21:09*	*1*

Lab Sample ID: LCS 500-839556/3
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	47.9		ug/L		96	40 - 143
Acrolein	2000	2060		ug/L		103	40 - 150
Acrylonitrile	500	504		ug/L		101	67 - 140
Benzene	50.0	51.3		ug/L		103	70 - 120
Bromobenzene	50.0	49.8		ug/L		100	70 - 122
Bromochloromethane	50.0	55.8		ug/L		112	65 - 122
Bromodichloromethane	50.0	46.7		ug/L		93	69 - 120
Bromoform	50.0	51.8		ug/L		104	56 - 132
Bromomethane	50.0	51.5		ug/L		103	40 - 152
2-Butanone (MEK)	50.0	48.4		ug/L		97	46 - 144
Carbon disulfide	50.0	51.9		ug/L		104	66 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	59 - 133
Chlorobenzene	50.0	49.5		ug/L		99	70 - 120
Chloroethane	50.0	57.5		ug/L		115	48 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-839556/3
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	53.9		ug/L		108	52 - 136
Chloroform	50.0	51.6		ug/L		103	70 - 120
Chloromethane	50.0	50.6		ug/L		101	56 - 152
cis-1,2-Dichloroethene	50.0	52.9		ug/L		106	70 - 125
cis-1,3-Dichloropropene	50.0	53.6		ug/L		107	64 - 127
Dibromochloromethane	50.0	50.5		ug/L		101	68 - 125
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 125
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 125
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 120
Dichlorodifluoromethane	50.0	56.0		ug/L		112	40 - 159
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	49.2		ug/L		98	68 - 127
1,1-Dichloroethene	50.0	52.3		ug/L		105	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	50.9		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	56.8		ug/L		114	58 - 139
1,1-Dichloropropene	50.0	51.6		ug/L		103	70 - 121
Ethylbenzene	50.0	53.1		ug/L		106	70 - 123
Ethyl methacrylate	50.0	52.3		ug/L		105	63 - 129
Hexachlorobutadiene	50.0	56.5		ug/L		113	51 - 150
2-Hexanone	50.0	48.9		ug/L		98	54 - 146
Isopropylbenzene	50.0	49.5		ug/L		99	70 - 126
Methylene bromide	50.0	50.8		ug/L		102	70 - 120
Methylene Chloride	50.0	50.3		ug/L		101	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	46.3		ug/L		93	55 - 139
Methyl tert-butyl ether	50.0	50.7		ug/L		101	55 - 123
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 125
Naphthalene	50.0	48.5		ug/L		97	53 - 144
n-Butylbenzene	50.0	52.6		ug/L		105	68 - 125
N-Propylbenzene	50.0	49.7		ug/L		99	69 - 127
o-Chlorotoluene	50.0	48.5		ug/L		97	70 - 125
o-Xylene	50.0	45.8		ug/L		92	70 - 120
p-Chlorotoluene	50.0	50.3		ug/L		101	68 - 124
p-Isopropyltoluene	50.0	51.7		ug/L		103	70 - 125
sec-Butylbenzene	50.0	50.0		ug/L		100	70 - 123
Styrene	50.0	52.4		ug/L		105	70 - 120
tert-Butylbenzene	50.0	49.4		ug/L		99	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.2		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	62 - 140
Tetrachloroethene	50.0	50.8		ug/L		102	70 - 128
Toluene	50.0	46.3		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	52.9		ug/L		106	70 - 125
trans-1,3-Dichloropropene	50.0	55.1		ug/L		110	62 - 128
1,2,3-Trichlorobenzene	50.0	51.2		ug/L		102	51 - 145
1,2,4-Trichlorobenzene	50.0	52.0		ug/L		104	57 - 137
1,1,1-Trichloroethane	50.0	51.2		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	71 - 130
Trichloroethene	50.0	55.2		ug/L		110	70 - 125
Trichlorofluoromethane	50.0	53.0		ug/L		106	55 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-839556/3
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	49.8		ug/L		100	50 - 133		
1,2,4-Trimethylbenzene			50.0	47.5		ug/L		95	70 - 123		
1,3,5-Trimethylbenzene			50.0	49.2		ug/L		98	70 - 123		
Vinyl acetate			50.0	55.1		ug/L		110	43 - 133		
Vinyl chloride			50.0	55.7		ug/L		111	64 - 126		
Xylenes, Total			100	97.5		ug/L		97	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: LCSD 500-839556/4
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			50.0	46.5		ug/L		93	40 - 143	3	20
Acrolein			2000	2010		ug/L		101	40 - 150	2	20
Acrylonitrile			500	477		ug/L		95	67 - 140	6	20
Benzene			50.0	50.9		ug/L		102	70 - 120	1	20
Bromobenzene			50.0	48.7		ug/L		97	70 - 122	2	20
Bromochloromethane			50.0	53.3		ug/L		107	65 - 122	5	20
Bromodichloromethane			50.0	45.9		ug/L		92	69 - 120	2	20
Bromoform			50.0	50.2		ug/L		100	56 - 132	3	20
Bromomethane			50.0	56.6		ug/L		113	40 - 152	9	20
2-Butanone (MEK)			50.0	46.1		ug/L		92	46 - 144	5	20
Carbon disulfide			50.0	52.4		ug/L		105	66 - 120	1	20
Carbon tetrachloride			50.0	53.9		ug/L		108	59 - 133	3	20
Chlorobenzene			50.0	48.5		ug/L		97	70 - 120	2	20
Chloroethane			50.0	57.2		ug/L		114	48 - 136	1	20
2-Chloroethyl vinyl ether			50.0	52.0		ug/L		104	52 - 136	4	20
Chloroform			50.0	51.1		ug/L		102	70 - 120	1	20
Chloromethane			50.0	51.8		ug/L		104	56 - 152	2	20
cis-1,2-Dichloroethene			50.0	52.3		ug/L		105	70 - 125	1	20
cis-1,3-Dichloropropene			50.0	53.1		ug/L		106	64 - 127	1	20
Dibromochloromethane			50.0	49.2		ug/L		98	68 - 125	3	20
1,2-Dichlorobenzene			50.0	47.3		ug/L		95	70 - 125	4	20
1,3-Dichlorobenzene			50.0	49.1		ug/L		98	70 - 125	2	20
1,4-Dichlorobenzene			50.0	49.0		ug/L		98	70 - 120	3	20
Dichlorodifluoromethane			50.0	58.2		ug/L		116	40 - 159	4	20
1,1-Dichloroethane			50.0	50.2		ug/L		100	70 - 125	1	20
1,2-Dichloroethane			50.0	48.2		ug/L		96	68 - 127	2	20
1,1-Dichloroethene			50.0	53.1		ug/L		106	67 - 122	2	20
1,2-Dichloropropane			50.0	50.3		ug/L		101	67 - 130	3	20
1,3-Dichloropropane			50.0	49.4		ug/L		99	62 - 136	3	20
2,2-Dichloropropane			50.0	56.6		ug/L		113	58 - 139	0	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-839556/4
Matrix: Water
Analysis Batch: 839556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	52.3		ug/L		105	70 - 121	1	20
Ethylbenzene			50.0	51.9		ug/L		104	70 - 123	2	20
Ethyl methacrylate			50.0	51.0		ug/L		102	63 - 129	2	20
Hexachlorobutadiene			50.0	54.5		ug/L		109	51 - 150	4	20
2-Hexanone			50.0	47.3		ug/L		95	54 - 146	3	20
Isopropylbenzene			50.0	49.0		ug/L		98	70 - 126	1	20
Methylene bromide			50.0	50.2		ug/L		100	70 - 120	1	20
Methylene Chloride			50.0	49.1		ug/L		98	69 - 125	2	20
4-Methyl-2-pentanone (MIBK)			50.0	45.4		ug/L		91	55 - 139	2	20
Methyl tert-butyl ether			50.0	49.0		ug/L		98	55 - 123	3	20
m-Xylene & p-Xylene			50.0	51.4		ug/L		103	70 - 125	0	20
Naphthalene			50.0	47.2		ug/L		94	53 - 144	3	20
n-Butylbenzene			50.0	51.7		ug/L		103	68 - 125	2	20
N-Propylbenzene			50.0	48.6		ug/L		97	69 - 127	2	20
o-Chlorotoluene			50.0	47.3		ug/L		95	70 - 125	2	20
o-Xylene			50.0	45.1		ug/L		90	70 - 120	2	20
p-Chlorotoluene			50.0	48.5		ug/L		97	68 - 124	4	20
p-Isopropyltoluene			50.0	50.7		ug/L		101	70 - 125	2	20
sec-Butylbenzene			50.0	49.5		ug/L		99	70 - 123	1	20
Styrene			50.0	51.3		ug/L		103	70 - 120	2	20
tert-Butylbenzene			50.0	48.9		ug/L		98	70 - 121	1	20
1,1,1,2-Tetrachloroethane			50.0	51.6		ug/L		103	70 - 125	1	20
1,1,2,2-Tetrachloroethane			50.0	45.9		ug/L		92	62 - 140	4	20
Tetrachloroethene			50.0	51.0		ug/L		102	70 - 128	0	20
Toluene			50.0	46.1		ug/L		92	70 - 125	0	20
trans-1,2-Dichloroethene			50.0	52.9		ug/L		106	70 - 125	0	20
trans-1,3-Dichloropropene			50.0	54.1		ug/L		108	62 - 128	2	20
1,2,3-Trichlorobenzene			50.0	49.8		ug/L		100	51 - 145	3	20
1,2,4-Trichlorobenzene			50.0	50.6		ug/L		101	57 - 137	3	20
1,1,1-Trichloroethane			50.0	51.9		ug/L		104	70 - 125	1	20
1,1,2-Trichloroethane			50.0	51.2		ug/L		102	71 - 130	1	20
Trichloroethene			50.0	55.3		ug/L		111	70 - 125	0	20
Trichlorofluoromethane			50.0	54.1		ug/L		108	55 - 128	2	20
1,2,3-Trichloropropane			50.0	47.8		ug/L		96	50 - 133	4	20
1,2,4-Trimethylbenzene			50.0	46.5		ug/L		93	70 - 123	2	20
1,3,5-Trimethylbenzene			50.0	48.3		ug/L		97	70 - 123	2	20
Vinyl acetate			50.0	53.0		ug/L		106	43 - 133	4	20
Vinyl chloride			50.0	56.6		ug/L		113	64 - 126	2	20
Xylenes, Total			100	96.5		ug/L		97	70 - 125	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728243/5
Matrix: Water
Analysis Batch: 728243

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/27/25 07:58	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/27/25 07:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/27/25 07:58*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/27/25 07:58*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/27/25 07:58*	*1*

Lab Sample ID: LCS 400-728243/1003
Matrix: Water
Analysis Batch: 728243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.450		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.532		ug/L		106	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*106*		*50 - 150*
Toluene-d8 (Surr)	*94*		*50 - 150*
4-Bromofluorobenzene	*87*		*50 - 150*

Lab Sample ID: MB 400-728401/5
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 07:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 07:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/28/25 07:28*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 07:28*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/28/25 07:28*	*1*

Lab Sample ID: LCS 400-728401/1003
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.464		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.552		ug/L		110	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*93*		*50 - 150*
4-Bromofluorobenzene	*84*		*50 - 150*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-284156-5 MS
Matrix: Water
Analysis Batch: 728401

Client Sample ID: MW1-ROX-101425
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	ND		0.488	0.443		ug/L		91	50 - 150
1,2-Dibromoethane	ND		0.488	0.602		ug/L		123	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane	*112*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*79*		*50 - 150*

Lab Sample ID: 400-284156-5 MSD
Matrix: Water
Analysis Batch: 728401

Client Sample ID: MW1-ROX-101425
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.488	0.434		ug/L		89	50 - 150	2	50
1,2-Dibromoethane	ND		0.488	0.570		ug/L		117	50 - 150	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*113*		*50 - 150*
Toluene-d8 (Surr)	*88*		*50 - 150*
4-Bromofluorobenzene	*80*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727032/1-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/16/25 10:38	10/20/25 18:56	1
Aniline	ND		10	0.74	ug/L		10/16/25 10:38	10/20/25 18:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzenethiol	ND		10	0.60	ug/L		10/16/25 10:38	10/20/25 18:56	1
Anthracene	ND		0.20	0.073	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzoic acid	ND		100	80	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzyl alcohol	ND		35	30	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/16/25 10:38	10/20/25 18:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/16/25 10:38	10/20/25 18:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/16/25 10:38	10/20/25 18:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/16/25 10:38	10/20/25 18:56	1
Chrysene	ND		0.20	0.039	ug/L		10/16/25 10:38	10/20/25 18:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/20/25 18:56	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727032/1-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10	0.58	ug/L		10/16/25 10:38	10/20/25 18:56	1
Fluoranthene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/16/25 10:38	10/20/25 18:56	1
Fluorene	ND		0.20	0.087	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Chlorophenol	ND		10	0.84	ug/L		10/16/25 10:38	10/20/25 18:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/16/25 10:38	10/20/25 18:56	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dibenzofuran	ND		10	0.64	ug/L		10/16/25 10:38	10/20/25 18:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/16/25 10:38	10/20/25 18:56	1
Phenanthrene	ND		0.20	0.044	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pyrene	ND		0.20	0.095	ug/L		10/16/25 10:38	10/20/25 18:56	1
Diethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/16/25 10:38	10/20/25 18:56	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/16/25 10:38	10/20/25 18:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/16/25 10:38	10/20/25 18:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
1,4-Dioxane	ND		10	4.3	ug/L		10/16/25 10:38	10/20/25 18:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/16/25 10:38	10/20/25 18:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/16/25 10:38	10/20/25 18:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/16/25 10:38	10/20/25 18:56	1
Hexachloroethane	ND		10	0.53	ug/L		10/16/25 10:38	10/20/25 18:56	1
Indene	ND		10	0.44	ug/L		10/16/25 10:38	10/20/25 18:56	1
Isophorone	ND		10	0.80	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Methylphenol	ND		10	0.76	ug/L		10/16/25 10:38	10/20/25 18:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Nitroaniline	ND		10	1.4	ug/L		10/16/25 10:38	10/20/25 18:56	1
3-Nitroaniline	ND		10	0.95	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Nitroaniline	ND		10	3.5	ug/L		10/16/25 10:38	10/20/25 18:56	1
Nitrobenzene	ND		10	0.60	ug/L		10/16/25 10:38	10/20/25 18:56	1
2-Nitrophenol	ND		10	1.2	ug/L		10/16/25 10:38	10/20/25 18:56	1
4-Nitrophenol	ND		10	2.7	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/16/25 10:38	10/20/25 18:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pentachlorophenol	ND		10	2.8	ug/L		10/16/25 10:38	10/20/25 18:56	1
Phenol	ND		10	0.68	ug/L		10/16/25 10:38	10/20/25 18:56	1
Pyridine	ND		10	3.0	ug/L		10/16/25 10:38	10/20/25 18:56	1
Quinoline	ND		10	0.50	ug/L		10/16/25 10:38	10/20/25 18:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/16/25 10:38	10/20/25 18:56	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727032/1-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/16/25 10:38	10/20/25 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*15 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Nitrobenzene-d5	*61*		*50 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2-Fluorobiphenyl	*56*		*25 - 139*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Nitrobenzene-d5	*61*		*22 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Phenol-d5	*63*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
Terphenyl-d14	*71*		*28 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*
2,4,6-Tribromophenol	*58*		*10 - 150*	*10/16/25 10:38*	*10/20/25 18:56*	*1*

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	21.5		ug/L		64	29 - 150
Aniline	33.3	25.2		ug/L		76	10 - 134
Acenaphthylene	33.3	21.4		ug/L		64	30 - 150
Anthracene	33.3	24.1		ug/L		72	31 - 150
Benzoic acid	152	101		ug/L		66	10 - 180
Benzo[a]anthracene	33.3	24.7		ug/L		74	36 - 150
Benzyl alcohol	33.3	31.7	J	ug/L		95	10 - 150
Benzo[a]pyrene	33.3	24.4		ug/L		73	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.4		ug/L		82	34 - 120
Benzo[b]fluoranthene	33.3	25.9		ug/L		78	32 - 150
Bis(2-chloroethyl)ether	33.3	22.7		ug/L		68	32 - 114
Benzo[g,h,i]perylene	33.3	23.8		ug/L		71	28 - 150
bis (2-chloroisopropyl) ether	33.3	23.2		ug/L		70	32 - 115
Benzo[k]fluoranthene	33.3	24.1		ug/L		72	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	23.0		ug/L		69	24 - 133
4-Bromophenyl phenyl ether	33.3	24.2		ug/L		72	24 - 120
Chrysene	33.3	24.3		ug/L		73	34 - 150
Butyl benzyl phthalate	33.3	21.1		ug/L		63	24 - 140
Dibenz(a,h)anthracene	33.3	23.0		ug/L		69	29 - 150
4-Chloroaniline	33.3	28.5		ug/L		85	10 - 150
Fluoranthene	33.3	23.6		ug/L		71	30 - 150
4-Chloro-3-methylphenol	33.3	28.0		ug/L		84	10 - 137
Fluorene	33.3	21.9		ug/L		66	30 - 150
2-Chloronaphthalene	33.3	38.8		ug/L		116	10 - 150
2-Chlorophenol	33.3	24.7		ug/L		74	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	21.5		ug/L		65	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	20.6		ug/L		62	31 - 110
2-Methylnaphthalene	33.3	22.6		ug/L		68	24 - 150
Dibenz[a,h]acridine	33.3	26.0		ug/L		78	40 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	21.3		ug/L		64	35 - 110
3,3'-Dichlorobenzidine	66.7	37.1		ug/L		56	10 - 150
Phenanthrene	33.3	23.2		ug/L		69	32 - 150
2,4-Dichlorophenol	33.3	24.7		ug/L		74	30 - 125
Pyrene	33.3	24.0		ug/L		72	30 - 150
Diethyl phthalate	33.3	19.2		ug/L		58	31 - 118
2,4-Dimethylphenol	33.3	22.4		ug/L		67	10 - 142
Dimethyl phthalate	33.3	17.3		ug/L		52	24 - 125
Di-n-butyl phthalate	33.3	22.6		ug/L		68	30 - 127
4,6-Dinitro-ortho-cresol	66.7	43.4		ug/L		65	10 - 150
2,4-Dinitrophenol	66.7	36.6		ug/L		55	10 - 150
2,4-Dinitrotoluene	33.3	23.3		ug/L		70	30 - 129
2,6-Dinitrotoluene	33.3	25.2		ug/L		76	34 - 132
Di-n-octyl phthalate	33.3	23.3		ug/L		70	28 - 142
1,4-Dioxane	33.3	25.9		ug/L		78	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	22.4		ug/L		67	29 - 121
Hexachlorobenzene	33.3	23.8		ug/L		71	29 - 113
Hexachlorocyclopentadiene	33.3	17.3	J	ug/L		52	10 - 150
Hexachloroethane	33.3	17.6		ug/L		53	10 - 112
Indene	33.3	19.9		ug/L		60	10 - 113
Isophorone	33.3	24.3		ug/L		73	29 - 125
2-Methylphenol	33.3	25.2		ug/L		76	11 - 121
3 & 4 Methylphenol	33.3	25.8		ug/L		78	10 - 150
2-Nitroaniline	33.3	23.9		ug/L		72	31 - 141
3-Nitroaniline	33.3	24.1		ug/L		72	33 - 136
4-Nitroaniline	33.3	24.1		ug/L		72	37 - 139
Nitrobenzene	33.3	23.2		ug/L		70	29 - 129
2-Nitrophenol	33.3	23.5		ug/L		70	31 - 142
4-Nitrophenol	66.7	58.8		ug/L		88	10 - 150
N-Nitrosodimethylamine	33.3	25.9		ug/L		78	10 - 136
N-Nitrosodi-n-propylamine	33.3	24.6		ug/L		74	50 - 134
N-Nitrosodiphenylamine	33.1	22.9		ug/L		69	50 - 132
Pentachlorophenol	66.7	47.6		ug/L		71	14 - 150
Phenol	33.3	26.5		ug/L		79	10 - 150
Pyridine	66.7	52.5		ug/L		79	10 - 150
Quinoline	33.3	28.3		ug/L		85	40 - 150
2,4,5-Trichlorophenol	33.3	22.7		ug/L		68	27 - 136
2,4,6-Trichlorophenol	33.3	22.3		ug/L		67	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*15 - 150*
Nitrobenzene-d5	*62*		*50 - 150*
Terphenyl-d14	*66*		*43 - 147*
2-Fluorobiphenyl	*56*		*25 - 139*
2-Fluorophenol	*72*		*10 - 150*
Nitrobenzene-d5	*62*		*22 - 150*
Phenol-d5	*71*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727032/2-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*70*		*10 - 150*

Lab Sample ID: LCS 400-727032/4-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	17.8		ug/L		54	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*25 - 139*
2-Fluorophenol	*73*		*10 - 150*
Nitrobenzene-d5	*60*		*22 - 150*
Phenol-d5	*71*		*10 - 150*
Terphenyl-d14	*71*		*28 - 150*
2,4,6-Tribromophenol	*59*		*10 - 150*

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	21.4		ug/L		64	29 - 150	0	40
Aniline	33.3	21.7		ug/L		65	10 - 134	15	40
Acenaphthylene	33.3	21.2		ug/L		64	30 - 150	1	40
Anthracene	33.3	23.1		ug/L		69	31 - 150	4	40
Benzoic acid	152	118		ug/L		78	10 - 180	16	40
Benzo[a]anthracene	33.3	24.4		ug/L		73	36 - 150	1	40
Benzyl alcohol	33.3	32.4	J	ug/L		97	10 - 150	2	40
Benzo[a]pyrene	33.3	23.1		ug/L		69	29 - 150	5	40
Bis(2-chloroethoxy)methane	33.3	26.6		ug/L		80	34 - 120	3	40
Benzo[b]fluoranthene	33.3	24.5		ug/L		73	32 - 150	6	40
Bis(2-chloroethyl)ether	33.3	21.3		ug/L		64	32 - 114	6	40
Benzo[g,h,i]perylene	33.3	22.6		ug/L		68	28 - 150	5	40
bis (2-chloroisopropyl) ether	33.3	21.9		ug/L		66	32 - 115	6	40
Benzo[k]fluoranthene	33.3	22.7		ug/L		68	30 - 150	6	40
Bis(2-ethylhexyl) phthalate	33.3	22.5		ug/L		68	24 - 133	2	40
4-Bromophenyl phenyl ether	33.3	23.4		ug/L		70	24 - 120	3	40
Chrysene	33.3	23.7		ug/L		71	34 - 150	2	40
Butyl benzyl phthalate	33.3	19.7		ug/L		59	24 - 140	7	40
Dibenz(a,h)anthracene	33.3	21.8		ug/L		65	29 - 150	5	40
4-Chloroaniline	33.3	26.1		ug/L		78	10 - 150	9	40
Fluoranthene	33.3	22.9		ug/L		69	30 - 150	3	40
4-Chloro-3-methylphenol	33.3	26.8		ug/L		80	10 - 137	4	40
Fluorene	33.3	21.6		ug/L		65	30 - 150	1	40
2-Chloronaphthalene	33.3	27.1		ug/L		81	10 - 150	35	40
2-Chlorophenol	33.3	23.3		ug/L		70	28 - 127	6	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene			33.3	20.5		ug/L		61	28 - 150	5	40
1-Methylnaphthalene			33.3	20.9		ug/L		63	25 - 150	1	40
4-Chlorophenyl phenyl ether			33.3	20.4		ug/L		61	31 - 110	1	40
2-Methylnaphthalene			33.3	22.5		ug/L		67	24 - 150	0	40
Dibenz[a,h]acridine			33.3	24.2		ug/L		73	40 - 150	7	40
Dibenzofuran			33.3	21.0		ug/L		63	35 - 110	1	40
3,3'-Dichlorobenzidine			66.7	33.6		ug/L		50	10 - 150	10	40
Phenanthrene			33.3	22.6		ug/L		68	32 - 150	3	40
2,4-Dichlorophenol			33.3	23.6		ug/L		71	30 - 125	5	40
Pyrene			33.3	23.3		ug/L		70	30 - 150	3	40
Diethyl phthalate			33.3	18.7		ug/L		56	31 - 118	3	40
2,4-Dimethylphenol			33.3	22.5		ug/L		67	10 - 142	1	40
Dimethyl phthalate			33.3	16.6		ug/L		50	24 - 125	4	40
Di-n-butyl phthalate			33.3	21.3		ug/L		64	30 - 127	6	40
4,6-Dinitro-ortho-cresol			66.7	42.8		ug/L		64	10 - 150	1	40
2,4-Dinitrophenol			66.7	37.1		ug/L		56	10 - 150	1	40
2,4-Dinitrotoluene			33.3	23.3		ug/L		70	30 - 129	0	40
2,6-Dinitrotoluene			33.3	24.7		ug/L		74	34 - 132	2	40
Di-n-octyl phthalate			33.3	22.9		ug/L		69	28 - 142	2	40
1,4-Dioxane			33.3	26.3		ug/L		79	10 - 137	2	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	22.2		ug/L		67	29 - 121	1	40
Hexachlorobenzene			33.3	22.9		ug/L		69	29 - 113	4	40
Hexachlorocyclopentadiene			33.3	19.2	J	ug/L		58	10 - 150	11	40
Hexachloroethane			33.3	17.5		ug/L		52	10 - 112	1	40
Indene			33.3	17.9		ug/L		54	10 - 113	11	40
Isophorone			33.3	22.8		ug/L		68	29 - 125	6	40
2-Methylphenol			33.3	22.7		ug/L		68	11 - 121	11	40
3 & 4 Methylphenol			33.3	24.8		ug/L		74	10 - 150	4	40
2-Nitroaniline			33.3	23.7		ug/L		71	31 - 141	1	40
3-Nitroaniline			33.3	23.8		ug/L		71	33 - 136	1	40
4-Nitroaniline			33.3	23.7		ug/L		71	37 - 139	2	40
Nitrobenzene			33.3	21.8		ug/L		65	29 - 129	6	40
2-Nitrophenol			33.3	23.6		ug/L		71	31 - 142	0	40
4-Nitrophenol			66.7	62.9		ug/L		94	10 - 150	7	40
N-Nitrosodimethylamine			33.3	26.3		ug/L		79	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	22.5		ug/L		68	50 - 134	9	40
N-Nitrosodiphenylamine			33.1	22.3		ug/L		67	50 - 132	3	40
Pentachlorophenol			66.7	46.4		ug/L		70	14 - 150	3	40
Phenol			33.3	26.9		ug/L		81	10 - 150	2	40
Pyridine			66.7	53.2		ug/L		80	10 - 150	1	40
Quinoline			33.3	27.7		ug/L		83	40 - 150	2	40
2,4,5-Trichlorophenol			33.3	21.6		ug/L		65	27 - 136	5	40
2,4,6-Trichlorophenol			33.3	21.7		ug/L		65	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*53*		*15 - 150*
Nitrobenzene-d5	*57*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727032/3-A
Matrix: Water
Analysis Batch: 727467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*64*		*43 - 147*
2-Fluorobiphenyl	*53*		*25 - 139*
2-Fluorophenol	*71*		*10 - 150*
Nitrobenzene-d5	*57*		*22 - 150*
Phenol-d5	*72*		*10 - 150*
Terphenyl-d14	*64*		*28 - 150*
2,4,6-Tribromophenol	*66*		*10 - 150*

Lab Sample ID: LCSD 400-727032/5-A
Matrix: Water
Analysis Batch: 727468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	17.5		ug/L		52	10 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*25 - 139*
2-Fluorophenol	*69*		*10 - 150*
Nitrobenzene-d5	*56*		*22 - 150*
Phenol-d5	*68*		*10 - 150*
Terphenyl-d14	*68*		*28 - 150*
2,4,6-Tribromophenol	*59*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/14/2025
PO #	***GSAP Project ID***	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

400-284156 Chain of Custody

NOTES:

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-101425-8260	10/14/2025	0000	Water	2					2	X			
	TB-ROX-101425-8260SIM	10/14/2025	0000	Water	2					2		X		
	ROST3MW-ROX-101425	10/14/2025	1000	Water	6			4		10	X	X	X	X
	ROST4PZE-ROX-101425	10/14/2025	1130	Water	6			4		10	X	X	X	X
	MW1-ROX-101425	10/14/2025	1240	Water	6			4		10	X	X	X	X
	MW2-ROX-101425	10/14/2025	1340	Water	6			4		10	X	X	X	X
	MW2-ROX-101425-DUP	10/14/2025	1340	Water	6			4		10	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5487	10/14/2025	1600
		10-15-25	95

Version: 21July25

CUSTODY SEALS: 2698086/ 2698087

5.0° (RL)

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850 478 2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	N/A	Klingensmith, Leah	N/A	400-387474 1
Client Contact	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving	N/A	Leah Klingensmith@et eurofinsus com	Illinois	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing North Centr		NELAP - Illinois		400 284156 1
Address	**Due Date Requested**			
18410 Crossing Drive, Suite E,	10/24/2025			
City	**TAT Requested (days).**			
Tinley Park	N/A			
State, Zip				
IL, 60487				
Phone	**PO #**			
708 534 5200(Tel) 708-534 5211(Fax)	N/A			
Email	**WO #**			
N/A	N/A			
Project Name	**Project #**			
ROXANA QUARTERLY GW	40006124			
Site	**SSOW#**			
N/A	N/A			

400-284156 COC

Analysis Requested

Preservation Codes:

Other.
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030B(MOD) 8260B VOCs (Chl)	Total Number of containers	Special Instructions/Note.
			Preservation Code:						
TB-ROX 101425-8260- (400-284156-1)	10/14/25	Central	G	Water			X	2	
ROST3MW ROX 101425 (400-284156-3)	10/14/25	10 00 Central	G	Water			X	3	
ROST4PZE-ROX 101425 (400 284156 4)	10/14/25	11:30 Central	G	Water			X	3	
MW1 ROX-101425 (400-284156 5)	10/14/25	12.40 Central	G	Water			X	3	
MW2 ROX 101425 (400-284156 6)	10/14/25	13:40 Central	G	Water			X	3	
MW2 ROX-101425-DUP (400 284156-7)	10/14/25	13.40 Central	G	Water			X	3	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	10/16/25 1200	EET			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2.4 +2.2

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284156-1

Login Number: 284156
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284156-1

Login Number: 284156
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 10/18/25 08:39 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284156-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	10-28-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	10-23-25
South Carolina	State	77001003	05-31-26
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory Report Reviewed: 400-284249-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/8/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/12/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.		X		
All SVOCs in sample ROST4PZC-ROX-101525 was re-extracted 6 days outside of extraction time criteria (7 days) and then re-analyzed due to no, or low, quality control surrogate recoveries in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in sample ROST4PZC-ROX-101525 were reported from the primary run.					
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
ROST4PZC-ROX-101525	SVOCs	Nitrobenzene-d5	49	50-150
ROST4PZC-ROX-101525	SVOCs	Terphenyl-d14	30	43-147
ROST4PZC-ROX-101525	SVOCs	2-Fluorobiphenyl	3	10-150
ROST4PZC-ROX-101525	SVOCs	Phenol-d5	5	10-150
ROST4PZC-ROX-101525	SVOCs	2,4,6-Tribromophenol	0.4	10-150

Qualifications due to surrogate recoveries were qualified if two or more base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Professional judgement was used to qualify as estimated, however, not reject the SVOCs results associated with sample ROST4PZC-ROX-10125 due to poor surrogate recoveries. All associated sample results were qualified as estimated (UJ/J) due to surrogate recoveries outside of the criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-727836/1002	VOCs	Acetone	**183**	NA	43-150
		Bromomethane	**222**	NA	10-150
		n-Butylbenzene	**134**	NA	67-130
LCS 400-727296/2-A LCSD 400-727296/3-A	SVOCs	Diethyl phthalate	**17**/**21**	21	31-118/40
		Dimethyl phthalate	**19**/24	24	24-125/40
		Di-n-butyl phthalate	**26**/31	17	30-127/40
		2,4-Dinitrophenol	10/18	**54**	10-150/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Analytical data that required qualification based on LCS/LCSD data are referenced below.

Sample ID	Parameter	Analyte	Qualification
ROST4PZG-ROX-101525	SVOCs	Diethyl phthalate	UJ
ROST4PZG-ROX-101525	SVOCs	Dimethyl phthalate	UJ
ROST4PZG-ROX-101525	SVOCs	Di-n-butyl phthalate	UJ
MW22-ROX-101525	SVOCs	Diethyl phthalate	UJ
MW22-ROX-101525	SVOCs	Dimethyl phthalate	UJ
MW22-ROX-101525	SVOCs	Di-n-butyl phthalate	UJ

Diethyl phthalate, dimethyl phthalate, and di-n-butyl-phthalate in sample ROST4PZC-ROX-101525 were previously qualified due to surrogate recoveries outside criteria; no further qualification required.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. **Sample ID / Parameter / Analyte / Qualification** ROST4PZG-ROX-101525 / SVOCs / 2,4-Dinitrophenol / UJ ROST4PZG-ROX-101525 / SVOCs / 4,6-Dinitro-ortho-cresol / UJ MW22-ROX-101525 / SVOCs / 2,4-Dinitrophenol / UJ MW22-ROX-101525 / SVOCs / 4,6-Dinitro-ortho-cresol / UJ Dimethyl phthalate and diethyl phthalate in samples ROST4PZG-ROX-101525 and MW22-ROX-101525 have already been qualified for low LCS/LCSD recoveries. No further qualification was necessary. Diethyl phthalate, dimethyl phthalate, 2,4-dinitrophenol and 4,6-dinitro-ortho-cresol in sample ROST4PZC-ROX-101525 were previously qualified due to surrogate recoveries outside criteria; no further qualification required.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/29/2025 4:32:27 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284249-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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10/29/2025 4:32:27 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-284249-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/16/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-727836 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-727836/2).

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-ROX-101525-8260 (400-284249-1), ROST4PZC-ROX-101525 (400-284249-3), ROST4PZG-ROX-101525 (400-284249-4) and MW22-ROX-101525 (400-284249-5). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-727836 recovered outside control limits for the following analytes: Acetone, Bromomethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The following samples were diluted due to the abundance of non-target analytes: ROST4PZC-ROX-101525 (400-284249-3) and MW22-ROX-101525 (400-284249-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727296.

Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (LCS 400-727296/2-A) and (LCSD 400-727296/3-A). These results have been reported and qualified.

Method 8270E_LL_QQQ: Surrogate recovery for the following sample was outside control limits: ROST4PZC-ROX-101525 (400-284249-3). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727296.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered above the upper control limit for Quinoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 400-284249-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol, Diethyl phthalate and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-727296 and analytical batch 400-728176: Diethyl phthalate, Dimethyl phthalate and Di-n-butyl phthalate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-727296 and analytical batch 400-728176 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

Method 8270E_QQQ: The following sample was re-prepared outside of preparation holding time due to surrogate failure on the acid portion of the sample: ROST4PZC-ROX-101525 (400-284249-3).

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728433 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728433 recovered outside acceptance criteria, low biased, for 4,6-Dinitro-ortho-cresol and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: Surrogate recovery for the following sample was outside control limits: ROST4PZC-ROX-101525 (400-284249-3). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284249-1	TB-ROX-101525-8260	Water	10/15/25 00:00	10/16/25 09:45	Illinois
400-284249-2	TB-ROX-101525-8260SIM	Water	10/15/25 00:00	10/16/25 09:45	Illinois
400-284249-3	ROST4PZC-ROX-101525	Water	10/15/25 10:20	10/16/25 09:45	Illinois
400-284249-4	ROST4PZG-ROX-101525	Water	10/15/25 12:00	10/16/25 09:45	Illinois
400-284249-5	MW22-ROX-101525	Water	10/15/25 13:50	10/16/25 09:45	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: TB-ROX-101525-8260 — Lab Sample ID: 400-284249-1

No Detections.

Client Sample ID: TB-ROX-101525-8260SIM — Lab Sample ID: 400-284249-2

No Detections.

Client Sample ID: ROST4PZC-ROX-101525 — Lab Sample ID: 400-284249-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	5.7		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	28		25	15	ug/L	5		8260D	Total/NA
Naphthalene	62		25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	7.3		5.0	3.5	ug/L	5		8260D	Total/NA
Toluene	12		5.0	4.5	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	3.1	J	5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	30	J	50	30	ug/L	5		8260D	Total/NA
Acenaphthene	0.94	J	0.19	0.083	ug/L	1		8270E	Total/NA
Acenaphthylene	0.089	J J	0.19	0.046	ug/L	1		8270E	Total/NA
Anthracene	0.19	J	0.19	0.071	ug/L	1		8270E	Total/NA
Butyl benzyl phthalate	5.9	J J	9.7	3.9	ug/L	1		8270E	Total/NA
Fluorene	0.60	J	0.19	0.084	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	23	J	0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	11	J	0.19	0.075	ug/L	1		8270E	Total/NA
Phenanthrene	0.70	J	0.19	0.043	ug/L	1		8270E	Total/NA
Acenaphthene - RERA	1.3	H	0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene - RERA	0.11	J H	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene - RERA	0.20	H	0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene - RERA	0.69	H	0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene - RERA	30	H	0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene - RERA	14	H	0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran - RERA	0.74	J H	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene - RERA	0.79	H	0.20	0.044	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - RERA	6.4	J H	20	4.6	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZG-ROX-101525 — Lab Sample ID: 400-284249-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.5		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	1.2		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	2.5		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	4.8	J	5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	4.5	J	5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	3.7		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	1.6		1.0	0.90	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	3.3		0.20	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.97		0.20	0.075	ug/L	1		8270E	Total/NA

Client Sample ID: MW22-ROX-101525 — Lab Sample ID: 400-284249-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.3	J	5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	46		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	13		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	140		25	15	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW22-ROX-101525 (Continued)

Lab Sample ID: 400-284249-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	56		25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	22		5.0	3.5	ug/L	5		8260D	Total/NA
Toluene	17		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	12		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	9.6		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	150		50	30	ug/L	5		8260D	Total/NA
Acenaphthene	0.085	J	0.20	0.085	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	10		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	15		0.20	0.077	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	2.0	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	1.3	J	10	0.44	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: TB-ROX-101525-8260
Date Collected: 10/15/25 00:00
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/23/25 21:06	1
Acrolein	ND		20	3.3	ug/L			10/23/25 21:06	1
Acrylonitrile	ND		10	2.8	ug/L			10/23/25 21:06	1
Benzene	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Bromobenzene	ND		1.0	0.54	ug/L			10/23/25 21:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/23/25 21:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Bromoform	ND		5.0	0.25	ug/L			10/23/25 21:06	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/23/25 21:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/23/25 21:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/23/25 21:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/23/25 21:06	1
Chloroethane	ND		1.0	0.76	ug/L			10/23/25 21:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/23/25 21:06	1
Chloroform	ND		1.0	0.90	ug/L			10/23/25 21:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/23/25 21:06	1
Chloromethane	ND		1.0	0.40	ug/L			10/23/25 21:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/23/25 21:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/23/25 21:06	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/23/25 21:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/23/25 21:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/23/25 21:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/23/25 21:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/23/25 21:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/23/25 21:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 21:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/23/25 21:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/23/25 21:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/23/25 21:06	1
2-Hexanone	ND		25	4.3	ug/L			10/23/25 21:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/23/25 21:06	1
Methylene bromide	ND		5.0	0.22	ug/L			10/23/25 21:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/23/25 21:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/23/25 21:06	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/23/25 21:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 21:06	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 21:06	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			10/23/25 21:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/23/25 21:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/23/25 21:06	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 21:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/23/25 21:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/23/25 21:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: TB-ROX-101525-8260
Date Collected: 10/15/25 00:00
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/23/25 21:06	1
Styrene	ND		1.0	1.0	ug/L			10/23/25 21:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/23/25 21:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/23/25 21:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/23/25 21:06	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 21:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 21:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/23/25 21:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/23/25 21:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/23/25 21:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/23/25 21:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/23/25 21:06	1
Trichloroethene	ND		1.0	0.15	ug/L			10/23/25 21:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/23/25 21:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/23/25 21:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/23/25 21:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/23/25 21:06	1
Vinyl acetate	ND		25	0.93	ug/L			10/23/25 21:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/23/25 21:06	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/23/25 21:06*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*10/23/25 21:06*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/23/25 21:06*	*1*

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101525-8260SIM
Lab Sample ID: 400-284249-2
Date Collected: 10/15/25 00:00
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 08:15	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/28/25 08:15*	*1*
Toluene-d8 (Surr)	*89*		*50 - 150*		*10/28/25 08:15*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/28/25 08:15*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: ROST4PZC-ROX-101525

Date Collected: 10/15/25 10:20
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 09:48	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/28/25 09:48*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 09:48*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/28/25 09:48*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	130	50	ug/L			10/23/25 21:32	5
Acrolein	ND		100	17	ug/L			10/23/25 21:32	5
Acrylonitrile	ND		50	14	ug/L			10/23/25 21:32	5
Benzene	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Bromobenzene	ND		5.0	2.7	ug/L			10/23/25 21:32	5
Bromochloromethane	ND		5.0	2.6	ug/L			10/23/25 21:32	5
Bromodichloromethane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Bromoform	ND		25	1.3	ug/L			10/23/25 21:32	5
Bromomethane	ND	*+	5.0	4.9	ug/L			10/23/25 21:32	5
2-Butanone (MEK)	ND		130	13	ug/L			10/23/25 21:32	5
Carbon disulfide	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			10/23/25 21:32	5
Chlorobenzene	ND		5.0	2.1	ug/L			10/23/25 21:32	5
Chloroethane	ND		5.0	3.8	ug/L			10/23/25 21:32	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			10/23/25 21:32	5
Chloroform	ND		5.0	4.5	ug/L			10/23/25 21:32	5
1-Chlorohexane	ND		5.0	1.6	ug/L			10/23/25 21:32	5
Chloromethane	ND		5.0	2.0	ug/L			10/23/25 21:32	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			10/23/25 21:32	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			10/23/25 21:32	5
Dibromochloromethane	ND		5.0	1.2	ug/L			10/23/25 21:32	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			10/23/25 21:32	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			10/23/25 21:32	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			10/23/25 21:32	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			10/23/25 21:32	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			10/23/25 21:32	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			10/23/25 21:32	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			10/23/25 21:32	5
Ethylbenzene	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			10/23/25 21:32	5
Hexachlorobutadiene	ND		25	4.5	ug/L			10/23/25 21:32	5
2-Hexanone	ND		130	21	ug/L			10/23/25 21:32	5
Isopropylbenzene	**5.7**		5.0	2.7	ug/L			10/23/25 21:32	5
Methylene bromide	ND		25	1.1	ug/L			10/23/25 21:32	5
Methylene Chloride	ND		25	15	ug/L			10/23/25 21:32	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			10/23/25 21:32	5

Client Sample ID: ROST4PZC-ROX-101525
Date Collected: 10/15/25 10:20
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			10/23/25 21:32	5
m-Xylene & p-Xylene	**28**		25	15	ug/L			10/23/25 21:32	5
Naphthalene	**62**		25	15	ug/L			10/23/25 21:32	5
n-Butylbenzene	ND	*+	5.0	3.8	ug/L			10/23/25 21:32	5
N-Propylbenzene	**7.3**		5.0	3.5	ug/L			10/23/25 21:32	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			10/23/25 21:32	5
o-Xylene	ND		25	15	ug/L			10/23/25 21:32	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			10/23/25 21:32	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			10/23/25 21:32	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			10/23/25 21:32	5
Styrene	ND		5.0	5.0	ug/L			10/23/25 21:32	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			10/23/25 21:32	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			10/23/25 21:32	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Tetrachloroethene	ND		5.0	1.7	ug/L			10/23/25 21:32	5
Toluene	**12**		5.0	4.5	ug/L			10/23/25 21:32	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			10/23/25 21:32	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			10/23/25 21:32	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			10/23/25 21:32	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			10/23/25 21:32	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			10/23/25 21:32	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			10/23/25 21:32	5
Trichloroethene	ND		5.0	0.75	ug/L			10/23/25 21:32	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			10/23/25 21:32	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			10/23/25 21:32	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			10/23/25 21:32	5
1,3,5-Trimethylbenzene	**3.1**	**J**	5.0	2.8	ug/L			10/23/25 21:32	5
Vinyl acetate	ND		130	4.7	ug/L			10/23/25 21:32	5
Vinyl chloride	ND		5.0	2.5	ug/L			10/23/25 21:32	5
Xylenes, Total	**30**	**J**	50	30	ug/L			10/23/25 21:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/23/25 21:32*	*5*
Dibromofluoromethane	*101*		*79 - 130*		*10/23/25 21:32*	*5*
Toluene-d8 (Surr)	*108*		*64 - 132*		*10/23/25 21:32*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.94**	J	0.19	0.083	ug/L		10/18/25 11:05	10/25/25 19:06	1
Aniline	ND	UJ	9.7	0.72	ug/L		10/18/25 11:05	10/25/25 19:06	1
Acenaphthylene	**0.089**	**J** J	0.19	0.046	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzenethiol	ND	UJ	9.7	0.58	ug/L		10/18/25 11:05	10/25/25 19:06	1
Anthracene	**0.19**	J	0.19	0.071	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzoic acid	ND	UJ	97	78	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzo[a]anthracene	ND	UJ	0.19	0.039	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzyl alcohol	ND	UJ	34	29	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzo[a]pyrene	ND	UJ	0.19	0.044	ug/L		10/18/25 11:05	10/25/25 19:06	1
Bis(2-chloroethoxy)methane	ND	UJ	9.7	0.33	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzo[b]fluoranthene	ND	UJ	0.19	0.041	ug/L		10/18/25 11:05	10/25/25 19:06	1
Bis(2-chloroethyl)ether	ND	UJ	9.7	0.71	ug/L		10/18/25 11:05	10/25/25 19:06	1

Client Sample ID: ROST4PZC-ROX-101525
Date Collected: 10/15/25 10:20
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.19	0.050	ug/L		10/18/25 11:05	10/25/25 19:06	1
bis (2-chloroisopropyl) ether	ND	UJ	9.7	0.90	ug/L		10/18/25 11:05	10/25/25 19:06	1
Benzo[k]fluoranthene	ND	UJ	0.19	0.039	ug/L		10/18/25 11:05	10/25/25 19:06	1
Bis(2-ethylhexyl) phthalate	ND	UJ	9.7	3.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Bromophenyl phenyl ether	ND	UJ	9.7	0.13	ug/L		10/18/25 11:05	10/25/25 19:06	1
Chrysene	ND	UJ	0.19	0.038	ug/L		10/18/25 11:05	10/25/25 19:06	1
Butyl benzyl phthalate	**5.9**	**J** J	9.7	3.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
Dibenz(a,h)anthracene	ND	UJ	0.19	0.043	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Chloroaniline	ND	UJ	9.7	0.56	ug/L		10/18/25 11:05	10/25/25 19:06	1
Fluoranthene	ND	UJ	0.19	0.031	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Chloro-3-methylphenol	ND	UJ	9.7	0.71	ug/L		10/18/25 11:05	10/25/25 19:06	1
Fluorene	**0.60**	J	0.19	0.084	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Chloronaphthalene	ND	UJ	9.7	0.37	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Chlorophenol	ND	UJ	9.7	0.82	ug/L		10/18/25 11:05	10/25/25 19:06	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.19	0.031	ug/L		10/18/25 11:05	10/25/25 19:06	1
1-Methylnaphthalene	**23**	J	0.19	0.064	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Chlorophenyl phenyl ether	ND	UJ	9.7	0.23	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Methylnaphthalene	**11**	J	0.19	0.075	ug/L		10/18/25 11:05	10/25/25 19:06	1
Dibenz[a,h]acridine	ND	UJ	9.7	0.67	ug/L		10/18/25 11:05	10/25/25 19:06	1
Dibenzofuran	ND	UJ	9.7	0.62	ug/L		10/18/25 11:05	10/25/25 19:06	1
3,3'-Dichlorobenzidine	ND	UJ	11	0.40	ug/L		10/18/25 11:05	10/25/25 19:06	1
Phenanthrene	**0.70**	J	0.19	0.043	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4-Dichlorophenol	ND	UJ	9.7	0.55	ug/L		10/18/25 11:05	10/25/25 19:06	1
Pyrene	ND	UJ	0.19	0.092	ug/L		10/18/25 11:05	10/25/25 19:06	1
Diethyl phthalate	ND	*- UJ	9.7	3.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4-Dimethylphenol	ND	UJ	9.7	0.23	ug/L		10/18/25 11:05	10/25/25 19:06	1
Dimethyl phthalate	ND	*- UJ	9.7	3.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
Di-n-butyl phthalate	ND	*- UJ	9.7	8.0	ug/L		10/18/25 11:05	10/25/25 19:06	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.7	1.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4-Dinitrophenol	ND	*1 UJ	29	4.5	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4-Dinitrotoluene	ND	UJ	9.7	0.63	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,6-Dinitrotoluene	ND	UJ	9.7	0.28	ug/L		10/18/25 11:05	10/25/25 19:06	1
Di-n-octyl phthalate	ND	UJ	9.7	3.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
1,4-Dioxane	ND	UJ	9.7	4.2	ug/L		10/18/25 11:05	10/25/25 19:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	UJ	9.7	0.90	ug/L		10/18/25 11:05	10/25/25 19:06	1
Hexachlorobenzene	ND	UJ	9.7	0.24	ug/L		10/18/25 11:05	10/25/25 19:06	1
Hexachlorocyclopentadiene	ND	UJ	19	0.31	ug/L		10/18/25 11:05	10/25/25 19:06	1
Hexachloroethane	ND	UJ	9.7	0.51	ug/L		10/18/25 11:05	10/25/25 19:06	1
Indene	ND	UJ	9.7	0.43	ug/L		10/18/25 11:05	10/25/25 19:06	1
Isophorone	ND	UJ	9.7	0.78	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Methylphenol	ND	UJ	9.7	0.74	ug/L		10/18/25 11:05	10/25/25 19:06	1
3 & 4 Methylphenol	ND	UJ	19	4.5	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Nitroaniline	ND	UJ	9.7	1.3	ug/L		10/18/25 11:05	10/25/25 19:06	1
3-Nitroaniline	ND	UJ	9.7	0.92	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Nitroaniline	ND	UJ	9.7	3.4	ug/L		10/18/25 11:05	10/25/25 19:06	1
Nitrobenzene	ND	UJ	9.7	0.58	ug/L		10/18/25 11:05	10/25/25 19:06	1
2-Nitrophenol	ND	UJ	9.7	1.1	ug/L		10/18/25 11:05	10/25/25 19:06	1
4-Nitrophenol	ND	UJ	9.7	2.7	ug/L		10/18/25 11:05	10/25/25 19:06	1
N-Nitrosodimethylamine	ND	UJ	9.7	0.94	ug/L		10/18/25 11:05	10/25/25 19:06	1

Client Sample ID: ROST4PZC-ROX-101525
Date Collected: 10/15/25 10:20
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND	UJ	9.7	0.32	ug/L		10/18/25 11:05	10/25/25 19:06	1
N-Nitrosodiphenylamine	ND	UJ	9.7	0.18	ug/L		10/18/25 11:05	10/25/25 19:06	1
Pentachlorophenol	ND	UJ	9.7	2.7	ug/L		10/18/25 11:05	10/25/25 19:06	1
Phenol	ND	UJ	9.7	0.66	ug/L		10/18/25 11:05	10/25/25 19:06	1
Pyridine	ND	UJ	9.7	2.9	ug/L		10/18/25 11:05	10/25/25 19:06	1
Quinoline	ND	UJ	9.7	0.49	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4,5-Trichlorophenol	ND	UJ	9.7	0.52	ug/L		10/18/25 11:05	10/25/25 19:06	1
2,4,6-Trichlorophenol	ND	UJ	9.7	1.1	ug/L		10/18/25 11:05	10/25/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*		*15 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
Nitrobenzene-d5	*49*	*S1-*	*50 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
Terphenyl-d14	*30*	*S1-*	*43 - 147*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
2-Fluorobiphenyl	*43*		*25 - 139*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
2-Fluorophenol	*3*	*S1-*	*10 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
Nitrobenzene-d5	*49*		*22 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
Phenol-d5	*5*	*S1-*	*10 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
Terphenyl-d14	*30*		*28 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*
2,4,6-Tribromophenol	*0.4*	*S1-*	*10 - 150*	*10/18/25 11:05*	*10/25/25 19:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.3**	**H**	0.20	0.085	ug/L		10/28/25 09:35	10/28/25 15:12	1
Aniline	ND	H	10	0.74	ug/L		10/28/25 09:35	10/28/25 15:12	1
Acenaphthylene	**0.11**	**J H**	0.20	0.047	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzenethiol	ND	H	10	0.60	ug/L		10/28/25 09:35	10/28/25 15:12	1
Anthracene	**0.20**	**H**	0.20	0.073	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzoic acid	ND	H	100	80	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzo[a]anthracene	ND	H	0.20	0.040	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzyl alcohol	ND	H	35	30	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzo[a]pyrene	ND	H	0.20	0.045	ug/L		10/28/25 09:35	10/28/25 15:12	1
Bis(2-chloroethoxy)methane	ND	H	10	0.34	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzo[b]fluoranthene	ND	H	0.20	0.042	ug/L		10/28/25 09:35	10/28/25 15:12	1
Bis(2-chloroethyl)ether	ND	H	10	0.73	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzo[g,h,i]perylene	ND	H	0.20	0.052	ug/L		10/28/25 09:35	10/28/25 15:12	1
bis (2-chloroisopropyl) ether	ND	H	10	0.93	ug/L		10/28/25 09:35	10/28/25 15:12	1
Benzo[k]fluoranthene	ND	H	0.20	0.040	ug/L		10/28/25 09:35	10/28/25 15:12	1
Bis(2-ethylhexyl) phthalate	ND	H	10	4.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
4-Bromophenyl phenyl ether	ND	H	10	0.13	ug/L		10/28/25 09:35	10/28/25 15:12	1
Chrysene	ND	H	0.20	0.039	ug/L		10/28/25 09:35	10/28/25 15:12	1
Butyl benzyl phthalate	ND	H	10	4.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
Dibenz(a,h)anthracene	ND	H	0.20	0.044	ug/L		10/28/25 09:35	10/28/25 15:12	1
4-Chloroaniline	ND	H	10	0.58	ug/L		10/28/25 09:35	10/28/25 15:12	1
Fluoranthene	ND	H	0.20	0.032	ug/L		10/28/25 09:35	10/28/25 15:12	1
4-Chloro-3-methylphenol	ND	H	10	0.73	ug/L		10/28/25 09:35	10/28/25 15:12	1
Fluorene	**0.69**	**H**	0.20	0.087	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Chloronaphthalene	ND	H	10	0.38	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Chlorophenol	ND	H	10	0.84	ug/L		10/28/25 09:35	10/28/25 15:12	1
Indeno[1,2,3-cd]pyrene	ND	H	0.20	0.032	ug/L		10/28/25 09:35	10/28/25 15:12	1
1-Methylnaphthalene	**30**	**H**	0.20	0.066	ug/L		10/28/25 09:35	10/28/25 15:12	1

Client Sample ID: ROST4PZC-ROX-101525
Date Collected: 10/15/25 10:20
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	H	10	0.24	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Methylnaphthalene	**14**	**H**	0.20	0.077	ug/L		10/28/25 09:35	10/28/25 15:12	1
Dibenz[a,h]acridine	ND	H	10	0.69	ug/L		10/28/25 09:35	10/28/25 15:12	1
Dibenzofuran	**0.74**	**J H**	10	0.64	ug/L		10/28/25 09:35	10/28/25 15:12	1
3,3'-Dichlorobenzidine	ND	H	11	0.41	ug/L		10/28/25 09:35	10/28/25 15:12	1
Phenanthrene	**0.79**	**H**	0.20	0.044	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4-Dichlorophenol	ND	H	10	0.57	ug/L		10/28/25 09:35	10/28/25 15:12	1
Pyrene	ND	H	0.20	0.095	ug/L		10/28/25 09:35	10/28/25 15:12	1
Diethyl phthalate	ND	H	10	4.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4-Dimethylphenol	ND	H	10	0.24	ug/L		10/28/25 09:35	10/28/25 15:12	1
Dimethyl phthalate	ND	H	10	4.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
Di-n-butyl phthalate	ND	H	10	8.2	ug/L		10/28/25 09:35	10/28/25 15:12	1
4,6-Dinitro-ortho-cresol	ND	H	10	2.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4-Dinitrophenol	ND	H	30	4.7	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4-Dinitrotoluene	ND	H	10	0.65	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,6-Dinitrotoluene	ND	H	10	0.29	ug/L		10/28/25 09:35	10/28/25 15:12	1
Di-n-octyl phthalate	ND	H	10	4.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
1,4-Dioxane	ND	H	10	4.3	ug/L		10/28/25 09:35	10/28/25 15:12	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	10	0.93	ug/L		10/28/25 09:35	10/28/25 15:12	1
Hexachlorobenzene	ND	H	10	0.25	ug/L		10/28/25 09:35	10/28/25 15:12	1
Hexachlorocyclopentadiene	ND	H	20	0.32	ug/L		10/28/25 09:35	10/28/25 15:12	1
Hexachloroethane	ND	H	10	0.53	ug/L		10/28/25 09:35	10/28/25 15:12	1
Indene	ND	H	10	0.44	ug/L		10/28/25 09:35	10/28/25 15:12	1
Isophorone	ND	H	10	0.80	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Methylphenol	ND	H	10	0.76	ug/L		10/28/25 09:35	10/28/25 15:12	1
3 & 4 Methylphenol	**6.4**	**J H**	20	4.6	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Nitroaniline	ND	H	10	1.4	ug/L		10/28/25 09:35	10/28/25 15:12	1
3-Nitroaniline	ND	H	10	0.95	ug/L		10/28/25 09:35	10/28/25 15:12	1
4-Nitroaniline	ND	H	10	3.5	ug/L		10/28/25 09:35	10/28/25 15:12	1
Nitrobenzene	ND	H	10	0.60	ug/L		10/28/25 09:35	10/28/25 15:12	1
2-Nitrophenol	ND	H	10	1.2	ug/L		10/28/25 09:35	10/28/25 15:12	1
4-Nitrophenol	ND	H	10	2.7	ug/L		10/28/25 09:35	10/28/25 15:12	1
N-Nitrosodimethylamine	ND	H	10	0.97	ug/L		10/28/25 09:35	10/28/25 15:12	1
N-Nitrosodi-n-propylamine	ND	H	10	0.33	ug/L		10/28/25 09:35	10/28/25 15:12	1
N-Nitrosodiphenylamine	ND	H	10	0.19	ug/L		10/28/25 09:35	10/28/25 15:12	1
Pentachlorophenol	ND	H	10	2.8	ug/L		10/28/25 09:35	10/28/25 15:12	1
Phenol	ND	H	10	0.68	ug/L		10/28/25 09:35	10/28/25 15:12	1
Pyridine	ND	H	10	3.0	ug/L		10/28/25 09:35	10/28/25 15:12	1
Quinoline	ND	H	10	0.50	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4,5-Trichlorophenol	ND	H	10	0.54	ug/L		10/28/25 09:35	10/28/25 15:12	1
2,4,6-Trichlorophenol	ND	H	10	1.1	ug/L		10/28/25 09:35	10/28/25 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*10/28/25 09:35*	*10/28/25 15:12*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*10/28/25 09:35*	*10/28/25 15:12*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/28/25 09:35*	*10/28/25 15:12*	*1*
2-Fluorobiphenyl	*83*		*25 - 139*	*10/28/25 09:35*	*10/28/25 15:12*	*1*
2-Fluorophenol	*106*		*10 - 150*	*10/28/25 09:35*	*10/28/25 15:12*	*1*
Nitrobenzene-d5	*95*		*22 - 150*	*10/28/25 09:35*	*10/28/25 15:12*	*1*

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZC-ROX-101525
Lab Sample ID: 400-284249-3
Date Collected: 10/15/25 10:20
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	96		10 - 150	10/28/25 09:35	10/28/25 15:12	1
Terphenyl-d14	60		28 - 150	10/28/25 09:35	10/28/25 15:12	1
2,4,6-Tribromophenol	110		10 - 150	10/28/25 09:35	10/28/25 15:12	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: ROST4PZG-ROX-101525

Date Collected: 10/15/25 12:00
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 10:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/28/25 10:12*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 10:12*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/28/25 10:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/23/25 21:59	1
Acrolein	ND		20	3.3	ug/L			10/23/25 21:59	1
Acrylonitrile	ND		10	2.8	ug/L			10/23/25 21:59	1
Benzene	**8.5**		1.0	0.50	ug/L			10/23/25 21:59	1
Bromobenzene	ND		1.0	0.54	ug/L			10/23/25 21:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/23/25 21:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
Bromoform	ND		5.0	0.25	ug/L			10/23/25 21:59	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/23/25 21:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/23/25 21:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/23/25 21:59	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/23/25 21:59	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/23/25 21:59	1
Chloroethane	ND		1.0	0.76	ug/L			10/23/25 21:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/23/25 21:59	1
Chloroform	ND		1.0	0.90	ug/L			10/23/25 21:59	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/23/25 21:59	1
Chloromethane	ND		1.0	0.40	ug/L			10/23/25 21:59	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/23/25 21:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/23/25 21:59	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/23/25 21:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/23/25 21:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/23/25 21:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/23/25 21:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/23/25 21:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/23/25 21:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 21:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/23/25 21:59	1
Ethylbenzene	**1.2**		1.0	0.50	ug/L			10/23/25 21:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/23/25 21:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/23/25 21:59	1
2-Hexanone	ND		25	4.3	ug/L			10/23/25 21:59	1
Isopropylbenzene	**2.5**		1.0	0.53	ug/L			10/23/25 21:59	1
Methylene bromide	ND		5.0	0.22	ug/L			10/23/25 21:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/23/25 21:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/23/25 21:59	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: ROST4PZG-ROX-101525
Date Collected: 10/15/25 12:00
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/23/25 21:59	1
m-Xylene & p-Xylene	**4.8**	**J**	5.0	3.0	ug/L			10/23/25 21:59	1
Naphthalene	**4.5**	**J**	5.0	3.0	ug/L			10/23/25 21:59	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			10/23/25 21:59	1
N-Propylbenzene	**3.7**		1.0	0.69	ug/L			10/23/25 21:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/23/25 21:59	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 21:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/23/25 21:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/23/25 21:59	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/23/25 21:59	1
Styrene	ND		1.0	1.0	ug/L			10/23/25 21:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/23/25 21:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/23/25 21:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/23/25 21:59	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/23/25 21:59	1
Toluene	**1.6**		1.0	0.90	ug/L			10/23/25 21:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 21:59	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/23/25 21:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/23/25 21:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/23/25 21:59	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/23/25 21:59	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/23/25 21:59	1
Trichloroethene	ND		1.0	0.15	ug/L			10/23/25 21:59	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/23/25 21:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/23/25 21:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/23/25 21:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/23/25 21:59	1
Vinyl acetate	ND		25	0.93	ug/L			10/23/25 21:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/23/25 21:59	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/23/25 21:59*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/23/25 21:59*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*10/23/25 21:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.083	ug/L		10/18/25 11:05	10/25/25 19:36	1
Aniline	ND		9.8	0.72	ug/L		10/18/25 11:05	10/25/25 19:36	1
Acenaphthylene	ND		0.20	0.046	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzenethiol	ND		9.8	0.59	ug/L		10/18/25 11:05	10/25/25 19:36	1
Anthracene	ND		0.20	0.071	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzoic acid	ND		98	78	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzyl alcohol	ND		34	29	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 19:36	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		10/18/25 11:05	10/25/25 19:36	1
Bis(2-chloroethyl)ether	ND		9.8	0.71	ug/L		10/18/25 11:05	10/25/25 19:36	1

Client Sample ID: ROST4PZG-ROX-101525
Date Collected: 10/15/25 12:00
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		10/18/25 11:05	10/25/25 19:36	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		10/18/25 11:05	10/25/25 19:36	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 19:36	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		10/18/25 11:05	10/25/25 19:36	1
Chrysene	ND		0.20	0.038	ug/L		10/18/25 11:05	10/25/25 19:36	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Chloroaniline	ND		9.8	0.57	ug/L		10/18/25 11:05	10/25/25 19:36	1
Fluoranthene	ND		0.20	0.031	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Chloro-3-methylphenol	ND		9.8	0.71	ug/L		10/18/25 11:05	10/25/25 19:36	1
Fluorene	ND		0.20	0.085	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Chlorophenol	ND		9.8	0.82	ug/L		10/18/25 11:05	10/25/25 19:36	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		10/18/25 11:05	10/25/25 19:36	1
1-Methylnaphthalene	**3.3**		0.20	0.064	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Chlorophenyl phenyl ether	ND		9.8	0.23	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Methylnaphthalene	**0.97**		0.20	0.075	ug/L		10/18/25 11:05	10/25/25 19:36	1
Dibenz[a,h]acridine	ND		9.8	0.67	ug/L		10/18/25 11:05	10/25/25 19:36	1
Dibenzofuran	ND		9.8	0.63	ug/L		10/18/25 11:05	10/25/25 19:36	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		10/18/25 11:05	10/25/25 19:36	1
Phenanthrene	ND		0.20	0.043	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		10/18/25 11:05	10/25/25 19:36	1
Pyrene	ND		0.20	0.093	ug/L		10/18/25 11:05	10/25/25 19:36	1
Diethyl phthalate	ND	*- UJ	9.8	3.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4-Dimethylphenol	ND		9.8	0.23	ug/L		10/18/25 11:05	10/25/25 19:36	1
Dimethyl phthalate	ND	*- UJ	9.8	3.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
Di-n-butyl phthalate	ND	*- UJ	9.8	8.0	ug/L		10/18/25 11:05	10/25/25 19:36	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.8	1.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4-Dinitrophenol	ND	*1 UJ	29	4.6	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		10/18/25 11:05	10/25/25 19:36	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
1,4-Dioxane	ND		9.8	4.2	ug/L		10/18/25 11:05	10/25/25 19:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		10/18/25 11:05	10/25/25 19:36	1
Hexachlorobenzene	ND		9.8	0.24	ug/L		10/18/25 11:05	10/25/25 19:36	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		10/18/25 11:05	10/25/25 19:36	1
Hexachloroethane	ND		9.8	0.52	ug/L		10/18/25 11:05	10/25/25 19:36	1
Indene	ND		9.8	0.43	ug/L		10/18/25 11:05	10/25/25 19:36	1
Isophorone	ND		9.8	0.78	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Methylphenol	ND		9.8	0.74	ug/L		10/18/25 11:05	10/25/25 19:36	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Nitroaniline	ND		9.8	1.3	ug/L		10/18/25 11:05	10/25/25 19:36	1
3-Nitroaniline	ND		9.8	0.93	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Nitroaniline	ND		9.8	3.4	ug/L		10/18/25 11:05	10/25/25 19:36	1
Nitrobenzene	ND		9.8	0.59	ug/L		10/18/25 11:05	10/25/25 19:36	1
2-Nitrophenol	ND		9.8	1.1	ug/L		10/18/25 11:05	10/25/25 19:36	1
4-Nitrophenol	ND		9.8	2.7	ug/L		10/18/25 11:05	10/25/25 19:36	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		10/18/25 11:05	10/25/25 19:36	1

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZG-ROX-101525
Lab Sample ID: 400-284249-4
Date Collected: 10/15/25 12:00
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		10/18/25 11:05	10/25/25 19:36	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		10/18/25 11:05	10/25/25 19:36	1
Pentachlorophenol	ND		9.8	2.7	ug/L		10/18/25 11:05	10/25/25 19:36	1
Phenol	ND		9.8	0.66	ug/L		10/18/25 11:05	10/25/25 19:36	1
Pyridine	ND		9.8	2.9	ug/L		10/18/25 11:05	10/25/25 19:36	1
Quinoline	ND		9.8	0.49	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		10/18/25 11:05	10/25/25 19:36	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		10/18/25 11:05	10/25/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*15 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
Nitrobenzene-d5	*60*		*50 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
Terphenyl-d14	*58*		*43 - 147*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
2-Fluorobiphenyl	*59*		*25 - 139*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
Nitrobenzene-d5	*60*		*22 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
Phenol-d5	*66*		*10 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
Terphenyl-d14	*58*		*28 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*
2,4,6-Tribromophenol	*74*		*10 - 150*	*10/18/25 11:05*	*10/25/25 19:36*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Client Sample ID: MW22-ROX-101525

Date Collected: 10/15/25 13:50
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 10:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/28/25 10:35*	*1*
Toluene-d8 (Surr)	*92*		*50 - 150*		*10/28/25 10:35*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/28/25 10:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	130	50	ug/L			10/23/25 22:25	5
Acrolein	ND		100	17	ug/L			10/23/25 22:25	5
Acrylonitrile	ND		50	14	ug/L			10/23/25 22:25	5
Benzene	**3.3**	**J**	5.0	2.5	ug/L			10/23/25 22:25	5
Bromobenzene	ND		5.0	2.7	ug/L			10/23/25 22:25	5
Bromochloromethane	ND		5.0	2.6	ug/L			10/23/25 22:25	5
Bromodichloromethane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
Bromoform	ND		25	1.3	ug/L			10/23/25 22:25	5
Bromomethane	ND	*+	5.0	4.9	ug/L			10/23/25 22:25	5
2-Butanone (MEK)	ND		130	13	ug/L			10/23/25 22:25	5
Carbon disulfide	ND		5.0	2.5	ug/L			10/23/25 22:25	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			10/23/25 22:25	5
Chlorobenzene	ND		5.0	2.1	ug/L			10/23/25 22:25	5
Chloroethane	ND		5.0	3.8	ug/L			10/23/25 22:25	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			10/23/25 22:25	5
Chloroform	ND		5.0	4.5	ug/L			10/23/25 22:25	5
1-Chlorohexane	ND		5.0	1.6	ug/L			10/23/25 22:25	5
Chloromethane	ND		5.0	2.0	ug/L			10/23/25 22:25	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			10/23/25 22:25	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			10/23/25 22:25	5
Dibromochloromethane	ND		5.0	1.2	ug/L			10/23/25 22:25	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			10/23/25 22:25	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			10/23/25 22:25	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			10/23/25 22:25	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			10/23/25 22:25	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			10/23/25 22:25	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			10/23/25 22:25	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			10/23/25 22:25	5
Ethylbenzene	**46**		5.0	2.5	ug/L			10/23/25 22:25	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			10/23/25 22:25	5
Hexachlorobutadiene	ND		25	4.5	ug/L			10/23/25 22:25	5
2-Hexanone	ND		130	21	ug/L			10/23/25 22:25	5
Isopropylbenzene	**13**		5.0	2.7	ug/L			10/23/25 22:25	5
Methylene bromide	ND		25	1.1	ug/L			10/23/25 22:25	5
Methylene Chloride	ND		25	15	ug/L			10/23/25 22:25	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			10/23/25 22:25	5

Client Sample ID: MW22-ROX-101525
Date Collected: 10/15/25 13:50
Date Received: 10/16/25 09:45

Lab Sample ID: 400-284249-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			10/23/25 22:25	5
m-Xylene & p-Xylene	**140**		25	15	ug/L			10/23/25 22:25	5
Naphthalene	**56**		25	15	ug/L			10/23/25 22:25	5
n-Butylbenzene	ND	*+	5.0	3.8	ug/L			10/23/25 22:25	5
N-Propylbenzene	**22**		5.0	3.5	ug/L			10/23/25 22:25	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			10/23/25 22:25	5
o-Xylene	ND		25	15	ug/L			10/23/25 22:25	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			10/23/25 22:25	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			10/23/25 22:25	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			10/23/25 22:25	5
Styrene	ND		5.0	5.0	ug/L			10/23/25 22:25	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			10/23/25 22:25	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			10/23/25 22:25	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			10/23/25 22:25	5
Tetrachloroethene	ND		5.0	1.7	ug/L			10/23/25 22:25	5
Toluene	**17**		5.0	4.5	ug/L			10/23/25 22:25	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			10/23/25 22:25	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			10/23/25 22:25	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			10/23/25 22:25	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			10/23/25 22:25	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			10/23/25 22:25	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			10/23/25 22:25	5
Trichloroethene	ND		5.0	0.75	ug/L			10/23/25 22:25	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			10/23/25 22:25	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			10/23/25 22:25	5
1,2,4-Trimethylbenzene	**12**		5.0	4.1	ug/L			10/23/25 22:25	5
1,3,5-Trimethylbenzene	**9.6**		5.0	2.8	ug/L			10/23/25 22:25	5
Vinyl acetate	ND		130	4.7	ug/L			10/23/25 22:25	5
Vinyl chloride	ND		5.0	2.5	ug/L			10/23/25 22:25	5
Xylenes, Total	**150**		50	30	ug/L			10/23/25 22:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/23/25 22:25*	*5*
Dibromofluoromethane	*100*		*79 - 130*		*10/23/25 22:25*	*5*
Toluene-d8 (Surr)	*104*		*64 - 132*		*10/23/25 22:25*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.085**	**J**	0.20	0.085	ug/L		10/18/25 11:05	10/25/25 20:06	1
Aniline	ND		10	0.74	ug/L		10/18/25 11:05	10/25/25 20:06	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzenethiol	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 20:06	1
Anthracene	ND		0.20	0.073	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzoic acid	ND		100	80	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/18/25 11:05	10/25/25 20:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/18/25 11:05	10/25/25 20:06	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 20:06	1

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW22-ROX-101525
Lab Sample ID: 400-284249-5
Date Collected: 10/15/25 13:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/18/25 11:05	10/25/25 20:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 20:06	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 20:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:05	10/25/25 20:06	1
Chrysene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 20:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Chloroaniline	ND		10	0.58	ug/L		10/18/25 11:05	10/25/25 20:06	1
Fluoranthene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 20:06	1
Fluorene	ND		0.20	0.087	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Chlorophenol	ND		10	0.84	ug/L		10/18/25 11:05	10/25/25 20:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 20:06	1
1-Methylnaphthalene	**10**		0.20	0.066	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Methylnaphthalene	**15**		0.20	0.077	ug/L		10/18/25 11:05	10/25/25 20:06	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:05	10/25/25 20:06	1
Dibenzofuran	ND		10	0.64	ug/L		10/18/25 11:05	10/25/25 20:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:05	10/25/25 20:06	1
Phenanthrene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:05	10/25/25 20:06	1
Pyrene	ND		0.20	0.095	ug/L		10/18/25 11:05	10/25/25 20:06	1
Diethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4-Dimethylphenol	**2.0**	**J**	10	0.24	ug/L		10/18/25 11:05	10/25/25 20:06	1
Dimethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
Di-n-butyl phthalate	ND	*- UJ	10	8.2	ug/L		10/18/25 11:05	10/25/25 20:06	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4-Dinitrophenol	ND	*1 UJ	30	4.7	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:05	10/25/25 20:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:05	10/25/25 20:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 20:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:05	10/25/25 20:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:05	10/25/25 20:06	1
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:05	10/25/25 20:06	1
Indene	**1.3**	**J**	10	0.44	ug/L		10/18/25 11:05	10/25/25 20:06	1
Isophorone	ND		10	0.80	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Methylphenol	ND		10	0.76	ug/L		10/18/25 11:05	10/25/25 20:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:05	10/25/25 20:06	1
3-Nitroaniline	ND		10	0.95	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:05	10/25/25 20:06	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 20:06	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:05	10/25/25 20:06	1
4-Nitrophenol	ND		10	2.7	ug/L		10/18/25 11:05	10/25/25 20:06	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/18/25 11:05	10/25/25 20:06	1

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW22-ROX-101525
Lab Sample ID: 400-284249-5
Date Collected: 10/15/25 13:50
Matrix: Water
Date Received: 10/16/25 09:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:05	10/25/25 20:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:05	10/25/25 20:06	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:05	10/25/25 20:06	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/25/25 20:06	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:05	10/25/25 20:06	1
Quinoline	ND		10	0.50	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:05	10/25/25 20:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:05	10/25/25 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*15 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
Nitrobenzene-d5	*68*		*50 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
Terphenyl-d14	*66*		*43 - 147*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
2-Fluorobiphenyl	*60*		*25 - 139*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
2-Fluorophenol	*74*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
Nitrobenzene-d5	*68*		*22 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
Phenol-d5	*66*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
Terphenyl-d14	*66*		*28 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:06*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284249-1	TB-ROX-101525-8260	100	110	101
400-284249-3	ROST4PZC-ROX-101525	102	101	108
400-284249-4	ROST4PZG-ROX-101525	101	103	107
400-284249-5	MW22-ROX-101525	100	100	104
LCS 400-727836/1002	Lab Control Sample	91	105	102
MB 400-727836/5	Method Blank	100	108	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284249-2	TB-ROX-101525-8260SIM	114	89	80
400-284249-3	ROST4PZC-ROX-101525	111	88	80
400-284249-4	ROST4PZG-ROX-101525	111	88	81
400-284249-5	MW22-ROX-101525	109	92	79
LCS 400-728401/1003	Lab Control Sample	111	93	84
MB 400-728401/5	Method Blank	113	88	83

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284249-3	ROST4PZC-ROX-101525	43	49 S1-	30 S1-	43	3 S1-	49	5 S1-	30
400-284249-3 - RERA	ROST4PZC-ROX-101525	83	95	60	83	106	95	96	60
400-284249-4	ROST4PZG-ROX-101525	59	60	58	59	74	60	66	58
400-284249-5	MW22-ROX-101525	60	68	66	60	74	68	66	66
LCS 400-727296/2-A	Lab Control Sample	42	44 S1-	43	42	34	44	39	43
LCS 400-727296/4-A	Lab Control Sample				45	40	46	42	48
LCS 400-728301/25-A	Lab Control Sample				74	85	77	78	84
LCS 400-728301/2-A	Lab Control Sample	69	78	85	69	89	78	87	85
LCSD 400-727296/3-A	Lab Control Sample Dup	45	45 S1-	44	45	39	45	43	44
LCSD 400-727296/5-A	Lab Control Sample Dup				51	42	52	44	51
LCSD 400-728301/26-A	Lab Control Sample Dup				71	86	79	79	83
MB 400-727296/1-A	Method Blank	53	53	52	53	60	53	58	52
MB 400-728301/1-A	Method Blank	71	79	96	71	87	79	76	96

Surrogate Summary

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284249-3	ROST4PZC-ROX-101525	0.4 S1-
400-284249-3 - RERA	ROST4PZC-ROX-101525	110
400-284249-4	ROST4PZG-ROX-101525	74
400-284249-5	MW22-ROX-101525	86
LCS 400-727296/2-A	Lab Control Sample	26
LCS 400-727296/4-A	Lab Control Sample	27
LCS 400-728301/25-A	Lab Control Sample	83
LCS 400-728301/2-A	Lab Control Sample	94
LCSD 400-727296/3-A	Lab Control Sample Dup	34
LCSD 400-727296/5-A	Lab Control Sample Dup	33
LCSD 400-728301/26-A	Lab Control Sample Dup	77
MB 400-727296/1-A	Method Blank	56
MB 400-728301/1-A	Method Blank	83

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101525-8260
Lab Sample ID: 400-284249-1
Date Collected: 10/15/25 00:00
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	727836	10/23/25 21:06	RSG	EET PEN

Client Sample ID: TB-ROX-101525-8260SIM
Lab Sample ID: 400-284249-2
Date Collected: 10/15/25 00:00
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 08:15	WPD	EET PEN

Client Sample ID: ROST4PZC-ROX-101525
Lab Sample ID: 400-284249-3
Date Collected: 10/15/25 10:20
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	727836	10/23/25 21:32	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 09:48	WPD	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 19:06	S1B	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 19:06	S1B	EET PEN
Total/NA	Prep	3511	RERA		30 mL	2 mL	728301	10/28/25 09:35	JPH	EET PEN
Total/NA	Analysis	8270E	RERA	1	0 mL	1.0 mL	728432	10/28/25 15:12	UI	EET PEN
Total/NA	Prep	3511	RERA		30 mL	2 mL	728301	10/28/25 09:35	JPH	EET PEN
Total/NA	Analysis	8270E	RERA	1	0 mL	1.0 mL	728433	10/28/25 15:12	UI	EET PEN

Client Sample ID: ROST4PZG-ROX-101525
Lab Sample ID: 400-284249-4
Date Collected: 10/15/25 12:00
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	727836	10/23/25 21:59	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 10:12	WPD	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 19:36	S1B	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 19:36	S1B	EET PEN

Client Sample ID: MW22-ROX-101525
Lab Sample ID: 400-284249-5
Date Collected: 10/15/25 13:50
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	727836	10/23/25 22:25	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 10:35	WPD	EET PEN

Client Sample ID: MW22-ROX-101525
Lab Sample ID: 400-284249-5

Date Collected: 10/15/25 13:50
Matrix: Water
Date Received: 10/16/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 20:06	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 20:06	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727296/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 16:35	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 16:35	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727836/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	727836	10/23/25 12:12	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728301/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728432	10/28/25 12:41	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 12:41	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728401/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 07:28	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727296/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 17:05	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727296/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 17:05	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727296/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 18:06	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727836/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	727836	10/23/25 10:46	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728301/25-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 12:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 13:41	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728301/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728432	10/28/25 13:11	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 13:11	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728401/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 06:30	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727296/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 17:35	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 17:35	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727296/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 18:36	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-728301/26-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 12:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 14:11	UI	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

GC/MS VOA

Analysis Batch: 727836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-1	TB-ROX-101525-8260	Total/NA	Water	8260D	
400-284249-3	ROST4PZC-ROX-101525	Total/NA	Water	8260D	
400-284249-4	ROST4PZG-ROX-101525	Total/NA	Water	8260D	
400-284249-5	MW22-ROX-101525	Total/NA	Water	8260D	
MB 400-727836/5	Method Blank	Total/NA	Water	8260D	
LCS 400-727836/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-2	TB-ROX-101525-8260SIM	Total/NA	Water	8260D SIM	
400-284249-3	ROST4PZC-ROX-101525	Total/NA	Water	8260D SIM	
400-284249-4	ROST4PZG-ROX-101525	Total/NA	Water	8260D SIM	
400-284249-5	MW22-ROX-101525	Total/NA	Water	8260D SIM	
MB 400-728401/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728401/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 727296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3	ROST4PZC-ROX-101525	Total/NA	Water	3511	
400-284249-4	ROST4PZG-ROX-101525	Total/NA	Water	3511	
400-284249-5	MW22-ROX-101525	Total/NA	Water	3511	
MB 400-727296/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727296/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-727296/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3	ROST4PZC-ROX-101525	Total/NA	Water	8270E	727296
400-284249-4	ROST4PZG-ROX-101525	Total/NA	Water	8270E	727296
400-284249-5	MW22-ROX-101525	Total/NA	Water	8270E	727296
MB 400-727296/1-A	Method Blank	Total/NA	Water	8270E	727296
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3	ROST4PZC-ROX-101525	Total/NA	Water	8270E	727296
400-284249-4	ROST4PZG-ROX-101525	Total/NA	Water	8270E	727296
400-284249-5	MW22-ROX-101525	Total/NA	Water	8270E	727296
MB 400-727296/1-A	Method Blank	Total/NA	Water	8270E	727296
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCS 400-727296/4-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296
LCSD 400-727296/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284249-1

GC/MS Semi VOA

Prep Batch: 728301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3 - RERA	ROST4PZC-ROX-101525	Total/NA	Water	3511	
MB 400-728301/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-728301/25-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-728301/26-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3 - RERA	ROST4PZC-ROX-101525	Total/NA	Water	8270E	728301
MB 400-728301/1-A	Method Blank	Total/NA	Water	8270E	728301
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	8270E	728301

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284249-3 - RERA	ROST4PZC-ROX-101525	Total/NA	Water	8270E	728301
MB 400-728301/1-A	Method Blank	Total/NA	Water	8270E	728301
LCS 400-728301/25-A	Lab Control Sample	Total/NA	Water	8270E	728301
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	8270E	728301
LCSD 400-728301/26-A	Lab Control Sample Dup	Total/NA	Water	8270E	728301

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/23/25 12:12	1
Acrolein	ND		20	3.3	ug/L			10/23/25 12:12	1
Acrylonitrile	ND		10	2.8	ug/L			10/23/25 12:12	1
Benzene	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Bromobenzene	ND		1.0	0.54	ug/L			10/23/25 12:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/23/25 12:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Bromoform	ND		5.0	0.25	ug/L			10/23/25 12:12	1
Bromomethane	ND		1.0	0.98	ug/L			10/23/25 12:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/23/25 12:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/23/25 12:12	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/23/25 12:12	1
Chloroethane	ND		1.0	0.76	ug/L			10/23/25 12:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/23/25 12:12	1
Chloroform	ND		1.0	0.90	ug/L			10/23/25 12:12	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/23/25 12:12	1
Chloromethane	ND		1.0	0.40	ug/L			10/23/25 12:12	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/23/25 12:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/23/25 12:12	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/23/25 12:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/23/25 12:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/23/25 12:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/23/25 12:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/23/25 12:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/23/25 12:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 12:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/23/25 12:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/23/25 12:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/23/25 12:12	1
2-Hexanone	ND		25	4.3	ug/L			10/23/25 12:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/23/25 12:12	1
Methylene bromide	ND		5.0	0.22	ug/L			10/23/25 12:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/23/25 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/23/25 12:12	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/23/25 12:12	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/23/25 12:12	1
Naphthalene	ND		5.0	3.0	ug/L			10/23/25 12:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/23/25 12:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/23/25 12:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/23/25 12:12	1
o-Xylene	ND		5.0	3.0	ug/L			10/23/25 12:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/23/25 12:12	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-727836/5
Matrix: Water
Analysis Batch: 727836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/23/25 12:12	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/23/25 12:12	1
Styrene	ND		1.0	1.0	ug/L			10/23/25 12:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/23/25 12:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/23/25 12:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/23/25 12:12	1
Toluene	ND		1.0	0.90	ug/L			10/23/25 12:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/23/25 12:12	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/23/25 12:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/23/25 12:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/23/25 12:12	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/23/25 12:12	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/23/25 12:12	1
Trichloroethene	ND		1.0	0.15	ug/L			10/23/25 12:12	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/23/25 12:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/23/25 12:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/23/25 12:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/23/25 12:12	1
Vinyl acetate	ND		25	0.93	ug/L			10/23/25 12:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/23/25 12:12	1
Xylenes, Total	ND		10	6.0	ug/L			10/23/25 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/23/25 12:12*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*10/23/25 12:12*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/23/25 12:12*	*1*

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	367	*+	ug/L		183	43 - 150
Acrolein	500	521		ug/L		104	38 - 150
Acrylonitrile	500	553		ug/L		111	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	51.3		ug/L		103	70 - 132
Bromochloromethane	50.0	56.1		ug/L		112	70 - 130
Bromodichloromethane	50.0	54.4		ug/L		109	67 - 133
Bromoform	50.0	46.3		ug/L		93	57 - 140
Bromomethane	50.0	111	*+	ug/L		222	10 - 150
2-Butanone (MEK)	200	225		ug/L		113	61 - 145
Carbon disulfide	50.0	59.7		ug/L		119	61 - 137
Carbon tetrachloride	50.0	50.4		ug/L		101	61 - 137
Chlorobenzene	50.0	55.7		ug/L		111	70 - 130
Chloroethane	50.0	69.6		ug/L		139	55 - 141
2-Chloroethyl vinyl ether	50.0	40.0		ug/L		80	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	55.1		ug/L		110	69 - 130
1-Chlorohexane	50.0	59.7		ug/L		119	69 - 130
Chloromethane	50.0	57.3		ug/L		115	58 - 137
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	68 - 130
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	69 - 132
Dibromochloromethane	50.0	53.9		ug/L		108	67 - 135
1,2-Dichlorobenzene	50.0	57.3		ug/L		115	67 - 130
1,3-Dichlorobenzene	50.0	56.6		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dichlorodifluoromethane	50.0	45.3		ug/L		91	41 - 146
1,1-Dichloroethane	50.0	51.5		ug/L		103	70 - 130
1,2-Dichloroethane	50.0	53.8		ug/L		108	69 - 130
1,1-Dichloroethene	50.0	57.4		ug/L		115	63 - 134
1,2-Dichloropropane	50.0	53.7		ug/L		107	70 - 130
1,3-Dichloropropane	50.0	54.6		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.6		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 130
Ethylbenzene	50.0	58.1		ug/L		116	70 - 130
Ethyl methacrylate	50.0	49.6		ug/L		99	68 - 130
Hexachlorobutadiene	50.0	57.3		ug/L		115	53 - 140
2-Hexanone	200	196		ug/L		98	65 - 137
Isopropylbenzene	50.0	57.9		ug/L		116	70 - 130
Methylene bromide	50.0	56.8		ug/L		114	70 - 130
Methylene Chloride	50.0	55.4		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	206		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	49.7		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 130
Naphthalene	50.0	47.4		ug/L		95	47 - 149
n-Butylbenzene	50.0	66.9	*+	ug/L		134	67 - 130
N-Propylbenzene	50.0	57.0		ug/L		114	70 - 130
o-Chlorotoluene	50.0	56.0		ug/L		112	70 - 130
o-Xylene	50.0	57.1		ug/L		114	70 - 130
p-Chlorotoluene	50.0	56.8		ug/L		114	70 - 130
p-Isopropyltoluene	50.0	59.3		ug/L		119	65 - 130
sec-Butylbenzene	50.0	60.0		ug/L		120	66 - 130
Styrene	50.0	57.3		ug/L		115	70 - 130
tert-Butylbenzene	50.0	56.3		ug/L		113	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.2		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.3		ug/L		107	70 - 131
Tetrachloroethene	50.0	50.9		ug/L		102	65 - 130
Toluene	50.0	54.6		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	52.0		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	49.9		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	50.0	53.7		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	51.5		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	56.9		ug/L		114	70 - 130
Trichloroethene	50.0	51.1		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	61.3		ug/L		123	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-727836/1002
Matrix: Water
Analysis Batch: 727836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	52.2		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	50.0	57.0		ug/L		114	70 - 130
1,3,5-Trimethylbenzene	50.0	55.5		ug/L		111	69 - 130
Vinyl acetate	100	114		ug/L		114	26 - 150
Vinyl chloride	50.0	49.6		ug/L		99	59 - 136
Xylenes, Total	100	112		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728401/5
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 07:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 07:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/28/25 07:28*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 07:28*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/28/25 07:28*	*1*

Lab Sample ID: LCS 400-728401/1003
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.464		ug/L		93	50 - 150
1,2-Dibromoethane	0.500	0.552		ug/L		110	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*93*		*50 - 150*
4-Bromofluorobenzene	*84*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/18/25 11:04	10/25/25 16:35	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/18/25 11:04	10/25/25 16:35	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzenethiol	ND		10	0.60	ug/L		10/18/25 11:04	10/25/25 16:35	1
Anthracene	ND		0.20	0.073	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzoic acid	ND		100	80	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/18/25 11:04	10/25/25 16:35	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:04	10/25/25 16:35	1
Chrysene	ND		0.20	0.039	ug/L		10/18/25 11:04	10/25/25 16:35	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chloroaniline	ND		10	0.58	ug/L		10/18/25 11:04	10/25/25 16:35	1
Fluoranthene	ND		0.20	0.032	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:04	10/25/25 16:35	1
Fluorene	ND		0.20	0.087	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Chlorophenol	ND		10	0.84	ug/L		10/18/25 11:04	10/25/25 16:35	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:04	10/25/25 16:35	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dibenzofuran	ND		10	0.64	ug/L		10/18/25 11:04	10/25/25 16:35	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:04	10/25/25 16:35	1
Phenanthrene	ND		0.20	0.044	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:04	10/25/25 16:35	1
Pyrene	ND		0.20	0.095	ug/L		10/18/25 11:04	10/25/25 16:35	1
Diethyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/18/25 11:04	10/25/25 16:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:04	10/25/25 16:35	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:04	10/25/25 16:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/18/25 11:04	10/25/25 16:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:04	10/25/25 16:35	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:04	10/25/25 16:35	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:04	10/25/25 16:35	1
Indene	ND		10	0.44	ug/L		10/18/25 11:04	10/25/25 16:35	1
Isophorone	ND		10	0.80	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Methylphenol	ND		10	0.76	ug/L		10/18/25 11:04	10/25/25 16:35	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:04	10/25/25 16:35	1
3-Nitroaniline	ND		10	0.95	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:04	10/25/25 16:35	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Nitrophenol	ND		10	2.7	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:04	10/25/25 16:35	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:04	10/25/25 16:35	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:04	10/25/25 16:35	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
Quinoline	ND		10	0.50	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:04	10/25/25 16:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*15 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Nitrobenzene-d5	*53*		*50 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Terphenyl-d14	*52*		*43 - 147*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2-Fluorobiphenyl	*53*		*25 - 139*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2-Fluorophenol	*60*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Nitrobenzene-d5	*53*		*22 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Phenol-d5	*58*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Terphenyl-d14	*52*		*28 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2,4,6-Tribromophenol	*56*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	18.9		ug/L		57	29 - 150
Aniline	33.3	32.0		ug/L		96	10 - 134
Acenaphthylene	33.3	19.3		ug/L		58	30 - 150
Anthracene	33.3	21.2		ug/L		64	31 - 150
Benzoic acid	152	ND		ug/L		49	10 - 180
Benzo[a]anthracene	33.3	22.2		ug/L		67	36 - 150
Benzyl alcohol	33.3	ND		ug/L		80	10 - 150
Benzo[a]pyrene	33.3	21.8		ug/L		66	29 - 150
Bis(2-chloroethoxy)methane	33.3	23.4		ug/L		70	34 - 120
Benzo[b]fluoranthene	33.3	22.9		ug/L		69	32 - 150
Bis(2-chloroethyl)ether	33.3	19.7		ug/L		59	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	21.1		ug/L		63	28 - 150
bis (2-chloroisopropyl) ether	33.3	20.4		ug/L		61	32 - 115
Benzo[k]fluoranthene	33.3	21.7		ug/L		65	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	24.0		ug/L		72	24 - 133
4-Bromophenyl phenyl ether	33.3	21.3		ug/L		64	24 - 120
Chrysene	33.3	22.3		ug/L		67	34 - 150
Butyl benzyl phthalate	33.3	7.92	J	ug/L		24	24 - 140
Dibenz(a,h)anthracene	33.3	20.3		ug/L		61	29 - 150
4-Chloroaniline	33.3	39.6		ug/L		119	10 - 150
Fluoranthene	33.3	21.4		ug/L		64	30 - 150
4-Chloro-3-methylphenol	33.3	13.1		ug/L		39	10 - 137
Fluorene	33.3	19.7		ug/L		59	30 - 150
2-Chloronaphthalene	33.3	16.7		ug/L		50	10 - 150
2-Chlorophenol	33.3	12.8		ug/L		38	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	19.1		ug/L		57	28 - 150
1-Methylnaphthalene	33.3	17.7		ug/L		53	25 - 150
4-Chlorophenyl phenyl ether	33.3	17.5		ug/L		53	31 - 110
2-Methylnaphthalene	33.3	19.2		ug/L		57	24 - 150
Dibenz[a,h]acridine	33.3	20.9		ug/L		63	40 - 150
Dibenzofuran	33.3	19.8		ug/L		60	35 - 110
3,3'-Dichlorobenzidine	66.7	41.7		ug/L		63	10 - 150
Phenanthrene	33.3	21.2		ug/L		64	32 - 150
2,4-Dichlorophenol	33.3	11.5		ug/L		35	30 - 125
Pyrene	33.3	21.6		ug/L		65	30 - 150
Diethyl phthalate	33.3	5.64	J *-	ug/L		17	31 - 118
2,4-Dimethylphenol	33.3	10.7		ug/L		32	10 - 142
Dimethyl phthalate	33.3	6.41	J *-	ug/L		19	24 - 125
Di-n-butyl phthalate	33.3	8.57	J *-	ug/L		26	30 - 127
4,6-Dinitro-ortho-cresol	66.7	11.8		ug/L		18	10 - 150
2,4-Dinitrophenol	66.7	6.86	J	ug/L		10	10 - 150
2,4-Dinitrotoluene	33.3	21.3		ug/L		64	30 - 129
2,6-Dinitrotoluene	33.3	22.6		ug/L		68	34 - 132
Di-n-octyl phthalate	33.3	21.6		ug/L		65	28 - 142
1,4-Dioxane	33.3	24.2		ug/L		72	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	19.3		ug/L		58	29 - 121
Hexachlorobenzene	33.3	20.7		ug/L		62	29 - 113
Hexachlorocyclopentadiene	33.3	3.50	J	ug/L		11	10 - 150
Hexachloroethane	33.3	13.1		ug/L		39	10 - 112
Indene	33.3	16.8		ug/L		50	10 - 113
Isophorone	33.3	20.1		ug/L		60	29 - 125
2-Methylphenol	33.3	13.1		ug/L		39	11 - 121
3 & 4 Methylphenol	33.3	13.7	J	ug/L		41	10 - 150
2-Nitroaniline	33.3	22.3		ug/L		67	31 - 141
3-Nitroaniline	33.3	31.9		ug/L		96	33 - 136
4-Nitroaniline	33.3	24.5		ug/L		74	37 - 139
Nitrobenzene	33.3	19.6		ug/L		59	29 - 129
2-Nitrophenol	33.3	11.8		ug/L		35	31 - 142
4-Nitrophenol	66.7	36.4		ug/L		55	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	23.6		ug/L		71	10 - 136
N-Nitrosodi-n-propylamine	33.3	22.9		ug/L		69	50 - 134
N-Nitrosodiphenylamine	33.1	22.1		ug/L		67	50 - 132
Pentachlorophenol	66.7	20.5		ug/L		31	14 - 150
Phenol	33.3	19.3		ug/L		58	10 - 150
Pyridine	66.7	51.1		ug/L		77	10 - 150
Quinoline	33.3	36.7		ug/L		110	40 - 150
2,4,5-Trichlorophenol	33.3	10.4		ug/L		31	27 - 136
2,4,6-Trichlorophenol	33.3	10.2		ug/L		31	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*42*		*15 - 150*
Nitrobenzene-d5	*44*	*S1-*	*50 - 150*
Terphenyl-d14	*43*		*43 - 147*
2-Fluorobiphenyl	*42*		*25 - 139*
2-Fluorophenol	*34*		*10 - 150*
Nitrobenzene-d5	*44*		*22 - 150*
Phenol-d5	*39*		*10 - 150*
Terphenyl-d14	*43*		*28 - 150*
2,4,6-Tribromophenol	*26*		*10 - 150*

Lab Sample ID: LCS 400-727296/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	7.49	J	ug/L		22	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*45*		*25 - 139*
2-Fluorophenol	*40*		*10 - 150*
Nitrobenzene-d5	*46*		*22 - 150*
Phenol-d5	*42*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*27*		*10 - 150*

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	21.3		ug/L		64	29 - 150	12	40
Aniline	33.3	30.6		ug/L		92	10 - 134	4	40
Acenaphthylene	33.3	21.3		ug/L		64	30 - 150	10	40
Anthracene	33.3	23.1		ug/L		69	31 - 150	9	40
Benzoic acid	152	110		ug/L		72	10 - 180	38	40
Benzo[a]anthracene	33.3	24.4		ug/L		73	36 - 150	9	40
Benzyl alcohol	33.3	ND		ug/L		77	10 - 150	4	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	33.3	23.6		ug/L		71	29 - 150	8	40
Bis(2-chloroethoxy)methane	33.3	25.6		ug/L		77	34 - 120	9	40
Benzo[b]fluoranthene	33.3	25.9		ug/L		78	32 - 150	12	40
Bis(2-chloroethyl)ether	33.3	21.3		ug/L		64	32 - 114	7	40
Benzo[g,h,i]perylene	33.3	23.1		ug/L		69	28 - 150	9	40
bis (2-chloroisopropyl) ether	33.3	22.2		ug/L		67	32 - 115	8	40
Benzo[k]fluoranthene	33.3	22.7		ug/L		68	30 - 150	5	40
Bis(2-ethylhexyl) phthalate	33.3	26.1		ug/L		78	24 - 133	9	40
4-Bromophenyl phenyl ether	33.3	23.6		ug/L		71	24 - 120	10	40
Chrysene	33.3	24.7		ug/L		74	34 - 150	10	40
Butyl benzyl phthalate	33.3	9.91	J	ug/L		30	24 - 140	22	40
Dibenz(a,h)anthracene	33.3	22.1		ug/L		66	29 - 150	8	40
4-Chloroaniline	33.3	40.3		ug/L		121	10 - 150	2	40
Fluoranthene	33.3	22.9		ug/L		69	30 - 150	7	40
4-Chloro-3-methylphenol	33.3	15.7		ug/L		47	10 - 137	18	40
Fluorene	33.3	22.2		ug/L		67	30 - 150	12	40
2-Chloronaphthalene	33.3	21.2		ug/L		64	10 - 150	24	40
2-Chlorophenol	33.3	14.8		ug/L		44	28 - 127	14	40
Indeno[1,2,3-cd]pyrene	33.3	21.1		ug/L		63	28 - 150	10	40
1-Methylnaphthalene	33.3	19.7		ug/L		59	25 - 150	10	40
4-Chlorophenyl phenyl ether	33.3	19.9		ug/L		60	31 - 110	13	40
2-Methylnaphthalene	33.3	21.0		ug/L		63	24 - 150	9	40
Dibenz[a,h]acridine	33.3	21.9		ug/L		66	40 - 150	5	40
Dibenzofuran	33.3	22.1		ug/L		66	35 - 110	11	40
3,3'-Dichlorobenzidine	66.7	45.3		ug/L		68	10 - 150	8	40
Phenanthrene	33.3	22.9		ug/L		69	32 - 150	8	40
2,4-Dichlorophenol	33.3	13.9		ug/L		42	30 - 125	19	40
Pyrene	33.3	23.4		ug/L		70	30 - 150	8	40
Diethyl phthalate	33.3	6.96	J *-	ug/L		21	31 - 118	21	40
2,4-Dimethylphenol	33.3	12.9		ug/L		39	10 - 142	18	40
Dimethyl phthalate	33.3	8.14	J	ug/L		24	24 - 125	24	40
Di-n-butyl phthalate	33.3	10.2		ug/L		31	30 - 127	17	40
4,6-Dinitro-ortho-cresol	66.7	16.4		ug/L		25	10 - 150	32	40
2,4-Dinitrophenol	66.7	11.9	J *1	ug/L		18	10 - 150	54	40
2,4-Dinitrotoluene	33.3	24.0		ug/L		72	30 - 129	12	40
2,6-Dinitrotoluene	33.3	25.4		ug/L		76	34 - 132	12	40
Di-n-octyl phthalate	33.3	24.1		ug/L		72	28 - 142	11	40
1,4-Dioxane	33.3	24.8		ug/L		74	10 - 137	2	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	21.8		ug/L		65	29 - 121	12	40
Hexachlorobenzene	33.3	22.0		ug/L		66	29 - 113	6	40
Hexachlorocyclopentadiene	33.3	4.54	J	ug/L		14	10 - 150	26	40
Hexachloroethane	33.3	14.8		ug/L		44	10 - 112	12	40
Indene	33.3	18.6		ug/L		56	10 - 113	11	40
Isophorone	33.3	22.1		ug/L		66	29 - 125	9	40
2-Methylphenol	33.3	15.7		ug/L		47	11 - 121	18	40
3 & 4 Methylphenol	33.3	15.6	J	ug/L		47	10 - 150	13	40
2-Nitroaniline	33.3	24.3		ug/L		73	31 - 141	9	40
3-Nitroaniline	33.3	32.9		ug/L		99	33 - 136	3	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			33.3	25.8		ug/L		78	37 - 139	5	40
Nitrobenzene			33.3	21.8		ug/L		65	29 - 129	11	40
2-Nitrophenol			33.3	14.4		ug/L		43	31 - 142	20	40
4-Nitrophenol			66.7	41.2		ug/L		62	10 - 150	12	40
N-Nitrosodimethylamine			33.3	24.3		ug/L		73	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	24.2		ug/L		73	50 - 134	6	40
N-Nitrosodiphenylamine			33.1	24.2		ug/L		73	50 - 132	9	40
Pentachlorophenol			66.7	26.7		ug/L		40	14 - 150	26	40
Phenol			33.3	20.6		ug/L		62	10 - 150	7	40
Pyridine			66.7	48.4		ug/L		73	10 - 150	6	40
Quinoline			33.3	36.5		ug/L		110	40 - 150	1	40
2,4,5-Trichlorophenol			33.3	13.0		ug/L		39	27 - 136	22	40
2,4,6-Trichlorophenol			33.3	12.4		ug/L		37	21 - 132	20	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*45*		*15 - 150*
Nitrobenzene-d5	*45*	*S1-*	*50 - 150*
Terphenyl-d14	*44*		*43 - 147*
2-Fluorobiphenyl	*45*		*25 - 139*
2-Fluorophenol	*39*		*10 - 150*
Nitrobenzene-d5	*45*		*22 - 150*
Phenol-d5	*43*		*10 - 150*
Terphenyl-d14	*44*		*28 - 150*
2,4,6-Tribromophenol	*34*		*10 - 150*

Lab Sample ID: LCSD 400-727296/5-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	9.73	J	ug/L		29	10 - 150	26	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*51*		*25 - 139*
2-Fluorophenol	*42*		*10 - 150*
Nitrobenzene-d5	*52*		*22 - 150*
Phenol-d5	*44*		*10 - 150*
Terphenyl-d14	*51*		*28 - 150*
2,4,6-Tribromophenol	*33*		*10 - 150*

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/27/25 10:39	10/28/25 12:41	1
Aniline	ND		10	0.74	ug/L		10/27/25 10:39	10/28/25 12:41	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/27/25 10:39	10/28/25 12:41	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND		10	0.60	ug/L		10/27/25 10:39	10/28/25 12:41	1
Anthracene	ND		0.20	0.073	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzoic acid	ND		100	80	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzyl alcohol	ND		35	30	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/27/25 10:39	10/28/25 12:41	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/27/25 10:39	10/28/25 12:41	1
Chrysene	ND		0.20	0.039	ug/L		10/27/25 10:39	10/28/25 12:41	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chloroaniline	ND		10	0.58	ug/L		10/27/25 10:39	10/28/25 12:41	1
Fluoranthene	ND		0.20	0.032	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/27/25 10:39	10/28/25 12:41	1
Fluorene	ND		0.20	0.087	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Chlorophenol	ND		10	0.84	ug/L		10/27/25 10:39	10/28/25 12:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/27/25 10:39	10/28/25 12:41	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dibenzofuran	ND		10	0.64	ug/L		10/27/25 10:39	10/28/25 12:41	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/27/25 10:39	10/28/25 12:41	1
Phenanthrene	ND		0.20	0.044	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/27/25 10:39	10/28/25 12:41	1
Pyrene	ND		0.20	0.095	ug/L		10/27/25 10:39	10/28/25 12:41	1
Diethyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/27/25 10:39	10/28/25 12:41	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/27/25 10:39	10/28/25 12:41	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
1,4-Dioxane	ND		10	4.3	ug/L		10/27/25 10:39	10/28/25 12:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/27/25 10:39	10/28/25 12:41	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/27/25 10:39	10/28/25 12:41	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/27/25 10:39	10/28/25 12:41	1
Hexachloroethane	ND		10	0.53	ug/L		10/27/25 10:39	10/28/25 12:41	1
Indene	ND		10	0.44	ug/L		10/27/25 10:39	10/28/25 12:41	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		10	0.80	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Methylphenol	ND		10	0.76	ug/L		10/27/25 10:39	10/28/25 12:41	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Nitroaniline	ND		10	1.4	ug/L		10/27/25 10:39	10/28/25 12:41	1
3-Nitroaniline	ND		10	0.95	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Nitroaniline	ND		10	3.5	ug/L		10/27/25 10:39	10/28/25 12:41	1
Nitrobenzene	ND		10	0.60	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Nitrophenol	ND		10	1.2	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Nitrophenol	ND		10	2.7	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/27/25 10:39	10/28/25 12:41	1
Pentachlorophenol	ND		10	2.8	ug/L		10/27/25 10:39	10/28/25 12:41	1
Phenol	ND		10	0.68	ug/L		10/27/25 10:39	10/28/25 12:41	1
Pyridine	ND		10	3.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
Quinoline	ND		10	0.50	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/27/25 10:39	10/28/25 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Terphenyl-d14	*96*		*43 - 147*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2-Fluorobiphenyl	*71*		*25 - 139*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2-Fluorophenol	*87*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Phenol-d5	*76*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Terphenyl-d14	*96*		*28 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2,4,6-Tribromophenol	*83*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*

Lab Sample ID: LCS 400-728301/25-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	18.3		ug/L		55	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*25 - 139*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*77*		*22 - 150*
Phenol-d5	*78*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*83*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-728301/2-A
Matrix: Water
Analysis Batch: 728432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.3		ug/L		70	29 - 150
Aniline	33.3	29.0		ug/L		87	10 - 134
Acenaphthylene	33.3	23.5		ug/L		70	30 - 150
Anthracene	33.3	28.2		ug/L		85	31 - 150
Benzoic acid	143	168		ug/L		118	10 - 180
Benzo[a]anthracene	33.3	28.6		ug/L		86	36 - 150
Benzyl alcohol	33.3	35.1		ug/L		105	10 - 150
Benzo[a]pyrene	33.3	27.8		ug/L		83	29 - 150
Bis(2-chloroethoxy)methane	33.3	29.9		ug/L		90	34 - 120
Benzo[b]fluoranthene	33.3	28.8		ug/L		86	32 - 150
Bis(2-chloroethyl)ether	33.3	24.4		ug/L		73	32 - 114
Benzo[g,h,i]perylene	33.3	26.7		ug/L		80	28 - 150
bis (2-chloroisopropyl) ether	33.3	25.3		ug/L		76	32 - 115
Benzo[k]fluoranthene	33.3	27.6		ug/L		83	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	28.1		ug/L		84	24 - 133
4-Bromophenyl phenyl ether	33.3	29.2		ug/L		88	24 - 120
Chrysene	33.3	27.7		ug/L		83	34 - 150
Butyl benzyl phthalate	33.3	21.8		ug/L		65	24 - 140
Dibenz(a,h)anthracene	33.3	25.8		ug/L		78	29 - 150
4-Chloroaniline	33.3	31.7		ug/L		95	10 - 150
Fluoranthene	33.3	28.0		ug/L		84	30 - 150
4-Chloro-3-methylphenol	33.3	30.5		ug/L		92	10 - 137
Fluorene	33.3	24.6		ug/L		74	30 - 150
2-Chloronaphthalene	33.3	46.4		ug/L		139	10 - 150
2-Chlorophenol	33.3	26.8		ug/L		80	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	24.1		ug/L		72	28 - 150
1-Methylnaphthalene	33.3	21.8		ug/L		65	25 - 150
4-Chlorophenyl phenyl ether	33.3	24.7		ug/L		74	31 - 110
2-Methylnaphthalene	33.3	23.4		ug/L		70	24 - 150
Dibenz[a,h]acridine	33.3	27.5		ug/L		83	40 - 150
Dibenzofuran	33.3	24.2		ug/L		72	35 - 110
3,3'-Dichlorobenzidine	66.7	31.4		ug/L		47	10 - 150
Phenanthrene	33.3	27.6		ug/L		83	32 - 150
2,4-Dichlorophenol	33.3	25.9		ug/L		78	30 - 125
Pyrene	33.3	28.8		ug/L		86	30 - 150
Diethyl phthalate	33.3	14.3		ug/L		43	31 - 118
2,4-Dimethylphenol	33.3	26.1		ug/L		78	10 - 142
Dimethyl phthalate	33.3	15.8		ug/L		47	24 - 125
Di-n-butyl phthalate	33.3	21.7		ug/L		65	30 - 127
4,6-Dinitro-ortho-cresol	66.7	46.7		ug/L		70	10 - 150
2,4-Dinitrophenol	66.7	36.6		ug/L		55	10 - 150
2,4-Dinitrotoluene	33.3	27.1		ug/L		81	30 - 129
2,6-Dinitrotoluene	33.3	28.4		ug/L		85	34 - 132
Di-n-octyl phthalate	33.3	26.4		ug/L		79	28 - 142
1,4-Dioxane	33.3	31.5		ug/L		95	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	26.4		ug/L		79	29 - 121
Hexachlorobenzene	33.3	28.2		ug/L		85	29 - 113
Hexachlorocyclopentadiene	33.3	16.6	J	ug/L		50	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-728301/2-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachloroethane			33.3	17.6		ug/L		53	10 - 112		
Indene			33.3	19.9		ug/L		60	10 - 113		
Isophorone			33.3	28.6		ug/L		86	29 - 125		
2-Methylphenol			33.3	28.2		ug/L		85	11 - 121		
3 & 4 Methylphenol			33.3	33.3		ug/L		100	10 - 150		
2-Nitroaniline			33.3	27.0		ug/L		81	31 - 141		
3-Nitroaniline			33.3	25.9		ug/L		78	33 - 136		
4-Nitroaniline			33.3	21.7		ug/L		65	37 - 139		
Nitrobenzene			33.3	26.8		ug/L		80	29 - 129		
2-Nitrophenol			33.3	27.2		ug/L		82	31 - 142		
4-Nitrophenol			66.7	69.0		ug/L		103	10 - 150		
N-Nitrosodimethylamine			33.3	29.7		ug/L		89	10 - 136		
N-Nitrosodi-n-propylamine			33.3	27.0		ug/L		81	50 - 134		
N-Nitrosodiphenylamine			33.1	26.5		ug/L		80	50 - 132		
Pentachlorophenol			66.7	53.4		ug/L		80	14 - 150		
Phenol			33.3	30.2		ug/L		91	10 - 150		
Pyridine			66.7	58.1		ug/L		87	10 - 150		
Quinoline			33.3	30.3		ug/L		91	40 - 150		
2,4,5-Trichlorophenol			33.3	24.8		ug/L		74	27 - 136		
2,4,6-Trichlorophenol			33.3	24.5		ug/L		74	21 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*15 - 150*
Nitrobenzene-d5	*78*		*50 - 150*
Terphenyl-d14	*85*		*43 - 147*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*85*		*28 - 150*
2,4,6-Tribromophenol	*94*		*10 - 150*

Lab Sample ID: LCSD 400-728301/26-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	18.1		ug/L		54	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*25 - 139*
2-Fluorophenol	*86*		*10 - 150*
Nitrobenzene-d5	*79*		*22 - 150*
Phenol-d5	*79*		*10 - 150*
Terphenyl-d14	*83*		*28 - 150*
2,4,6-Tribromophenol	*77*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 10/15/2025
PO #	**GSAP Project ID**	PAGE. __1____ of ____1___
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N. Broadway, 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-101525-8260	10/15/2025	0000	Water	2					2	X			
	TB-ROX-101525-8260SIM	10/15/2025	0000	Water	2					2		X		
	ROST4PZC-ROX-101525	10/15/2025	1020	Water	6			4		10	X	X	X	X
	ROST4PZG-ROX-101525	10/15/2025	1200	Water	6			4		10	X	X	X	X
	MW22-ROX-101525	10/15/2025	1350	Water	6			4		10	X	X	X	X

400-284249 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5502	10/15/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/16/25	Time: 945
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS. 2698085/ 2698084

0.0°C/IR10

10/29/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284249-1

Login Number: 284249
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284249-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-284318-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/9/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-728255/1002	VOCs	Acetone	**202**	NA	43-150
		Bromomethane	**195**	NA	10-150
LCS 400-728411/1002	VOCs	Acetone	**204**	NA	43-150
		Bromomethane	**189**	NA	10-150
		Chloroethane	**143**	NA	55-141
		n-Butylbenzene	**143**	NA	67-130
LCS 400-727296/2-A LCSD 400-727296/3-A	SVOCs	Diethyl phthalate	**17/21**	21	31-118/40
		2,4-Dinitrophenol	10/18	**54**	10-150/40
		Dimethyl phthalate	**19**/24	24	24-125/40
		Di-n-butyl phthalate	**26**/31	17	30-127/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Analytical data that required qualification based on LCS/LCSD data are referenced below.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-101625	SVOCs	Diethyl phthalate	UJ
P57-ROX-101625	SVOCs	Dimethyl phthalate	UJ
P57-ROX-101625	SVOCs	Di-n-butyl phthalate	UJ
P74-ROX-101625	SVOCs	Diethyl phthalate	UJ
P74-ROX-101625	SVOCs	Dimethyl phthalate	UJ
P74-ROX-101625	SVOCs	Di-n-butyl phthalate	UJ
P58-ROX-101625	SVOCs	Diethyl phthalate	UJ
P58-ROX-101625	SVOCs	Dimethyl phthalate	UJ
P58-ROX-101625	SVOCs	Di-n-butyl phthalate	UJ

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The initial calibration verification (ICV) for benzoic acid was outside evaluation criteria, high biased. The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					

Sample ID	Parameter	Analyte	Qualification
P58-ROX-101625	SVOCs	Benzoic acid	J
P57-ROX-101625	SVOCs	2,4-Dinitrophenol	UJ
P57-ROX-101625	SVOCs	4,6-Dinitro-ortho-cresol	UJ
P74-ROX-101625	SVOCs	2,4-Dinitrophenol	UJ
P74-ROX-101625	SVOCs	4,6-Dinitro-ortho-cresol	UJ
P58-ROX-101625	SVOCs	2,4-Dinitrophenol	UJ
P58-ROX-101625	SVOCs	4,6-Dinitro-ortho-cresol	UJ

Dimethyl phthalate and diethyl phthalate in samples P57-ROX-101625, P74-ROX-101625 and P58-ROX-101625 were previously qualified due to LCS/LCSD recoveries outside criteria. No further qualification was necessary.

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 10/30/2025 11:33:40 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284318-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Job Narrative
400-284318-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/17/2025 9:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 1.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728255 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-728255/2).

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728255 recovered outside control limits for the following analytes: Acetone and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-ROX-101625-8260 (400-284318-1), P57-ROX-101625-EB (400-284318-3) and P57-ROX-101625 (400-284318-4). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728411 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane, Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. :(CCVIS 400-728411/2).

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728411 recovered outside control limits for the following analytes: Acetone, Bromomethane, Chloroethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: P74-ROX-101625 (400-284318-5) and P58-ROX-101625 (400-284318-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P74-ROX-101625 (400-284318-5) and P58-ROX-101625 (400-284318-6). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM: The following sample was diluted due to the abundance of non-target analytes: P58-ROX-101625 (400-284318-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-727296.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD)

associated with preparation batch 400-727296.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered above the upper control limit for Quinoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol, Diethyl phthalate and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-727296 and analytical batch 400-728176: Diethyl phthalate, Dimethyl phthalate and Di-n-butyl phthalate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-727296 and analytical batch 400-728176 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

Method 8270E_QQQ: The following sample was diluted to bring the concentration of target analytes within the calibration range: P58-ROX-101625 (400-284318-6). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The following sample was diluted to bring the concentration of target analytes within the calibration range: P58-ROX-101625 (400-284318-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284318-1	TB-ROX-101625-8260	Water	10/16/25 00:00	10/17/25 09:29	Illinois
400-284318-2	TB-ROX-101625-8260-SIM	Water	10/16/25 00:00	10/17/25 09:29	Illinois
400-284318-3	P57-ROX-101625-EB	Water	10/16/25 08:35	10/17/25 09:29	Illinois
400-284318-4	P57-ROX-101625	Water	10/16/25 10:40	10/17/25 09:29	Illinois
400-284318-5	P74-ROX-101625	Water	10/16/25 11:50	10/17/25 09:29	Illinois
400-284318-6	P58-ROX-101625	Water	10/16/25 13:45	10/17/25 09:29	Illinois

Detection Summary

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101625-8260 — Lab Sample ID: 400-284318-1

No Detections.

Client Sample ID: TB-ROX-101625-8260-SIM — Lab Sample ID: 400-284318-2

No Detections.

Client Sample ID: P57-ROX-101625-EB — Lab Sample ID: 400-284318-3

No Detections.

Client Sample ID: P57-ROX-101625 — Lab Sample ID: 400-284318-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	58		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	2.6		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	19		1.0	0.53	ug/L	1		8260D	Total/NA
Naphthalene	29		5.0	3.0	ug/L	1		8260D	Total/NA
n-Butylbenzene	2.0		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	21		1.0	0.69	ug/L	1		8260D	Total/NA
sec-Butylbenzene	4.2		1.0	0.70	ug/L	1		8260D	Total/NA
tert-Butylbenzene	5.3		1.0	0.63	ug/L	1		8260D	Total/NA
Toluene	4.3		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.57		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.068	J	0.20	0.047	ug/L	1		8270E	Total/NA
Fluorene	0.61		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	24		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	33		0.20	0.077	ug/L	1		8270E	Total/NA
Phenanthrene	0.32		0.20	0.044	ug/L	1		8270E	Total/NA
Indene	0.79	J	10	0.44	ug/L	1		8270E	Total/NA
Phenol	1.3	J	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P74-ROX-101625 — Lab Sample ID: 400-284318-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3100		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	31		20	10	ug/L	20		8260D	Total/NA
Toluene	45		20	18	ug/L	20		8260D	Total/NA
1-Methylnaphthalene	1.0		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	1.2		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	0.63	J	9.9	0.24	ug/L	1		8270E	Total/NA
Phenol	45		9.9	0.67	ug/L	1		8270E	Total/NA

Client Sample ID: P58-ROX-101625 — Lab Sample ID: 400-284318-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	290000		2500	1300	ug/L	2500		8260D	Total/NA
Acenaphthene	0.55		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.21		0.20	0.047	ug/L	1		8270E	Total/NA
Benzenethiol	0.81	J	10	0.60	ug/L	1		8270E	Total/NA
Anthracene	0.090	J	0.20	0.073	ug/L	1		8270E	Total/NA
Benzoic acid	150	J	100	80	ug/L	1		8270E	Total/NA
Benzo[a]anthracene	0.13	J	0.20	0.040	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.12	J	0.20	0.045	ug/L	1		8270E	Total/NA
Benzo[b]fluoranthene	0.062	J	0.20	0.042	ug/L	1		8270E	Total/NA
Chrysene	0.24		0.20	0.039	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P58-ROX-101625 (Continued)

Lab Sample ID: 400-284318-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Chloroaniline	0.63	J	10	0.58	ug/L	1		8270E	Total/NA
Fluoranthene	0.073	J	0.20	0.032	ug/L	1		8270E	Total/NA
Fluorene	1.6		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	44		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	45		0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran	1.8	J	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene	1.0		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.30		0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	9.2	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	2.0	J	10	0.44	ug/L	1		8270E	Total/NA
Quinoline	0.81	J	10	0.50	ug/L	1		8270E	Total/NA
Phenol - DL	420		200	14	ug/L	20		8270E	Total/NA
3 & 4 Methylphenol - DL2	2100		2000	460	ug/L	100		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: TB-ROX-101625-8260
Date Collected: 10/16/25 00:00
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/27/25 19:36	1
Acrolein	ND		20	3.3	ug/L			10/27/25 19:36	1
Acrylonitrile	ND		10	2.8	ug/L			10/27/25 19:36	1
Benzene	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Bromobenzene	ND		1.0	0.54	ug/L			10/27/25 19:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/27/25 19:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Bromoform	ND		5.0	0.25	ug/L			10/27/25 19:36	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/27/25 19:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/27/25 19:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/27/25 19:36	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/27/25 19:36	1
Chloroethane	ND		1.0	0.76	ug/L			10/27/25 19:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/27/25 19:36	1
Chloroform	ND		1.0	0.90	ug/L			10/27/25 19:36	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/27/25 19:36	1
Chloromethane	ND		1.0	0.40	ug/L			10/27/25 19:36	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/27/25 19:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/27/25 19:36	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/27/25 19:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/27/25 19:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/27/25 19:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/27/25 19:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/27/25 19:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/27/25 19:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 19:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/27/25 19:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/27/25 19:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/27/25 19:36	1
2-Hexanone	ND		25	4.3	ug/L			10/27/25 19:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/27/25 19:36	1
Methylene bromide	ND		5.0	0.22	ug/L			10/27/25 19:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/27/25 19:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/27/25 19:36	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/27/25 19:36	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/27/25 19:36	1
Naphthalene	ND		5.0	3.0	ug/L			10/27/25 19:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/27/25 19:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/27/25 19:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/27/25 19:36	1
o-Xylene	ND		5.0	3.0	ug/L			10/27/25 19:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/27/25 19:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/27/25 19:36	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: TB-ROX-101625-8260
Date Collected: 10/16/25 00:00
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/27/25 19:36	1
Styrene	ND		1.0	1.0	ug/L			10/27/25 19:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/27/25 19:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/27/25 19:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/27/25 19:36	1
Toluene	ND		1.0	0.90	ug/L			10/27/25 19:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 19:36	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/27/25 19:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/27/25 19:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/27/25 19:36	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/27/25 19:36	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/27/25 19:36	1
Trichloroethene	ND		1.0	0.15	ug/L			10/27/25 19:36	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/27/25 19:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/27/25 19:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/27/25 19:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/27/25 19:36	1
Vinyl acetate	ND		25	0.93	ug/L			10/27/25 19:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/27/25 19:36	1
Xylenes, Total	ND		10	6.0	ug/L			10/27/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*10/27/25 19:36*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*10/27/25 19:36*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*10/27/25 19:36*	*1*

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101625-8260-SIM
Lab Sample ID: 400-284318-2
Date Collected: 10/16/25 00:00
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 12:32	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/28/25 12:32*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*		*10/28/25 12:32*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/28/25 12:32*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P57-ROX-101625-EB

Date Collected: 10/16/25 08:35
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 13:19	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*115*		*50 - 150*		*10/28/25 13:19*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/28/25 13:19*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/28/25 13:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/27/25 20:03	1
Acrolein	ND		20	3.3	ug/L			10/27/25 20:03	1
Acrylonitrile	ND		10	2.8	ug/L			10/27/25 20:03	1
Benzene	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Bromobenzene	ND		1.0	0.54	ug/L			10/27/25 20:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/27/25 20:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Bromoform	ND		5.0	0.25	ug/L			10/27/25 20:03	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/27/25 20:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/27/25 20:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/27/25 20:03	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/27/25 20:03	1
Chloroethane	ND		1.0	0.76	ug/L			10/27/25 20:03	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/27/25 20:03	1
Chloroform	ND		1.0	0.90	ug/L			10/27/25 20:03	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/27/25 20:03	1
Chloromethane	ND		1.0	0.40	ug/L			10/27/25 20:03	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/27/25 20:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/27/25 20:03	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/27/25 20:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/27/25 20:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/27/25 20:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/27/25 20:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/27/25 20:03	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/27/25 20:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 20:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/27/25 20:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/27/25 20:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/27/25 20:03	1
2-Hexanone	ND		25	4.3	ug/L			10/27/25 20:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/27/25 20:03	1
Methylene bromide	ND		5.0	0.22	ug/L			10/27/25 20:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/27/25 20:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/27/25 20:03	1

Client Sample ID: P57-ROX-101625-EB
Date Collected: 10/16/25 08:35
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/27/25 20:03	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/27/25 20:03	1
Naphthalene	ND		5.0	3.0	ug/L			10/27/25 20:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/27/25 20:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/27/25 20:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/27/25 20:03	1
o-Xylene	ND		5.0	3.0	ug/L			10/27/25 20:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/27/25 20:03	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/27/25 20:03	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/27/25 20:03	1
Styrene	ND		1.0	1.0	ug/L			10/27/25 20:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/27/25 20:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/27/25 20:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/27/25 20:03	1
Toluene	ND		1.0	0.90	ug/L			10/27/25 20:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 20:03	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/27/25 20:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/27/25 20:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/27/25 20:03	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/27/25 20:03	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/27/25 20:03	1
Trichloroethene	ND		1.0	0.15	ug/L			10/27/25 20:03	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/27/25 20:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/27/25 20:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/27/25 20:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/27/25 20:03	1
Vinyl acetate	ND		25	0.93	ug/L			10/27/25 20:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/27/25 20:03	1
Xylenes, Total	ND		10	6.0	ug/L			10/27/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*10/27/25 20:03*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*10/27/25 20:03*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/27/25 20:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/18/25 11:05	10/25/25 20:36	1
Aniline	ND		10	0.74	ug/L		10/18/25 11:05	10/25/25 20:36	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzenethiol	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 20:36	1
Anthracene	ND		0.20	0.073	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzoic acid	ND		100	81	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/18/25 11:05	10/25/25 20:36	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/18/25 11:05	10/25/25 20:36	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 20:36	1

Client Sample ID: P57-ROX-101625-EB
Date Collected: 10/16/25 08:35
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/18/25 11:05	10/25/25 20:36	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/18/25 11:05	10/25/25 20:36	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 20:36	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:05	10/25/25 20:36	1
Chrysene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 20:36	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Chloroaniline	ND		10	0.58	ug/L		10/18/25 11:05	10/25/25 20:36	1
Fluoranthene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 20:36	1
Fluorene	ND		0.20	0.088	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Chlorophenol	ND		10	0.85	ug/L		10/18/25 11:05	10/25/25 20:36	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 20:36	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/18/25 11:05	10/25/25 20:36	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:05	10/25/25 20:36	1
Dibenzofuran	ND		10	0.64	ug/L		10/18/25 11:05	10/25/25 20:36	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:05	10/25/25 20:36	1
Phenanthrene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:05	10/25/25 20:36	1
Pyrene	ND		0.20	0.096	ug/L		10/18/25 11:05	10/25/25 20:36	1
Diethyl phthalate	ND	*-	10	4.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 20:36	1
Dimethyl phthalate	ND	*-	10	4.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
Di-n-butyl phthalate	ND	*-	10	8.2	ug/L		10/18/25 11:05	10/25/25 20:36	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4-Dinitrophenol	ND	*1	30	4.7	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:05	10/25/25 20:36	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:05	10/25/25 20:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/18/25 11:05	10/25/25 20:36	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:05	10/25/25 20:36	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:05	10/25/25 20:36	1
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:05	10/25/25 20:36	1
Indene	ND		10	0.44	ug/L		10/18/25 11:05	10/25/25 20:36	1
Isophorone	ND		10	0.81	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Methylphenol	ND		10	0.77	ug/L		10/18/25 11:05	10/25/25 20:36	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:05	10/25/25 20:36	1
3-Nitroaniline	ND		10	0.96	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:05	10/25/25 20:36	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 20:36	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:05	10/25/25 20:36	1
4-Nitrophenol	ND		10	2.8	ug/L		10/18/25 11:05	10/25/25 20:36	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/18/25 11:05	10/25/25 20:36	1

Client Sample ID: P57-ROX-101625-EB
Lab Sample ID: 400-284318-3
Date Collected: 10/16/25 08:35
Matrix: Water
Date Received: 10/17/25 09:29

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:05	10/25/25 20:36	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:05	10/25/25 20:36	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:05	10/25/25 20:36	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:05	10/25/25 20:36	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:05	10/25/25 20:36	1
Quinoline	ND		10	0.50	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:05	10/25/25 20:36	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:05	10/25/25 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*15 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
Nitrobenzene-d5	*64*		*50 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
Terphenyl-d14	*80*		*43 - 147*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
2-Fluorobiphenyl	*57*		*25 - 139*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
2-Fluorophenol	*76*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
Nitrobenzene-d5	*64*		*22 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
Phenol-d5	*67*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
Terphenyl-d14	*80*		*28 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*
2,4,6-Tribromophenol	*73*		*10 - 150*	*10/18/25 11:05*	*10/25/25 20:36*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P57-ROX-101625

Date Collected: 10/16/25 10:40
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 13:42	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/28/25 13:42*	*1*
Toluene-d8 (Surr)	*91*		*50 - 150*		*10/28/25 13:42*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/28/25 13:42*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/27/25 20:29	1
Acrolein	ND		20	3.3	ug/L			10/27/25 20:29	1
Acrylonitrile	ND		10	2.8	ug/L			10/27/25 20:29	1
Benzene	**58**		1.0	0.50	ug/L			10/27/25 20:29	1
Bromobenzene	ND		1.0	0.54	ug/L			10/27/25 20:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/27/25 20:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
Bromoform	ND		5.0	0.25	ug/L			10/27/25 20:29	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/27/25 20:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/27/25 20:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/27/25 20:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/27/25 20:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/27/25 20:29	1
Chloroethane	ND		1.0	0.76	ug/L			10/27/25 20:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/27/25 20:29	1
Chloroform	ND		1.0	0.90	ug/L			10/27/25 20:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/27/25 20:29	1
Chloromethane	ND		1.0	0.40	ug/L			10/27/25 20:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/27/25 20:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/27/25 20:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/27/25 20:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/27/25 20:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/27/25 20:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/27/25 20:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/27/25 20:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/27/25 20:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 20:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/27/25 20:29	1
Ethylbenzene	**2.6**		1.0	0.50	ug/L			10/27/25 20:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/27/25 20:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/27/25 20:29	1
2-Hexanone	ND		25	4.3	ug/L			10/27/25 20:29	1
Isopropylbenzene	**19**		1.0	0.53	ug/L			10/27/25 20:29	1
Methylene bromide	ND		5.0	0.22	ug/L			10/27/25 20:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/27/25 20:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/27/25 20:29	1

Client Sample ID: P57-ROX-101625
Date Collected: 10/16/25 10:40
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/27/25 20:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/27/25 20:29	1
Naphthalene	**29**		5.0	3.0	ug/L			10/27/25 20:29	1
n-Butylbenzene	**2.0**		1.0	0.76	ug/L			10/27/25 20:29	1
N-Propylbenzene	**21**		1.0	0.69	ug/L			10/27/25 20:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/27/25 20:29	1
o-Xylene	ND		5.0	3.0	ug/L			10/27/25 20:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/27/25 20:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/27/25 20:29	1
sec-Butylbenzene	**4.2**		1.0	0.70	ug/L			10/27/25 20:29	1
Styrene	ND		1.0	1.0	ug/L			10/27/25 20:29	1
tert-Butylbenzene	**5.3**		1.0	0.63	ug/L			10/27/25 20:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/27/25 20:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/27/25 20:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/27/25 20:29	1
Toluene	**4.3**		1.0	0.90	ug/L			10/27/25 20:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 20:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/27/25 20:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/27/25 20:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/27/25 20:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/27/25 20:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/27/25 20:29	1
Trichloroethene	ND		1.0	0.15	ug/L			10/27/25 20:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/27/25 20:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/27/25 20:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/27/25 20:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/27/25 20:29	1
Vinyl acetate	ND		25	0.93	ug/L			10/27/25 20:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/27/25 20:29	1
Xylenes, Total	ND		10	6.0	ug/L			10/27/25 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/27/25 20:29*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/27/25 20:29*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/27/25 20:29*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.57**		0.20	0.085	ug/L		10/18/25 11:05	10/25/25 21:06	1
Aniline	ND		10	0.74	ug/L		10/18/25 11:05	10/25/25 21:06	1
Acenaphthylene	**0.068**	**J**	0.20	0.047	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzenethiol	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 21:06	1
Anthracene	ND		0.20	0.073	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzoic acid	ND		100	80	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/18/25 11:05	10/25/25 21:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/18/25 11:05	10/25/25 21:06	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 21:06	1

Client Sample ID: P57-ROX-101625
Date Collected: 10/16/25 10:40
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/18/25 11:05	10/25/25 21:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 21:06	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 21:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:05	10/25/25 21:06	1
Chrysene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 21:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Chloroaniline	ND		10	0.58	ug/L		10/18/25 11:05	10/25/25 21:06	1
Fluoranthene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 21:06	1
Fluorene	**0.61**		0.20	0.087	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Chlorophenol	ND		10	0.84	ug/L		10/18/25 11:05	10/25/25 21:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 21:06	1
1-Methylnaphthalene	**24**		0.20	0.066	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Methylnaphthalene	**33**		0.20	0.077	ug/L		10/18/25 11:05	10/25/25 21:06	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:05	10/25/25 21:06	1
Dibenzofuran	ND		10	0.64	ug/L		10/18/25 11:05	10/25/25 21:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:05	10/25/25 21:06	1
Phenanthrene	**0.32**		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:05	10/25/25 21:06	1
Pyrene	ND		0.20	0.095	ug/L		10/18/25 11:05	10/25/25 21:06	1
Diethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 21:06	1
Dimethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
Di-n-butyl phthalate	ND	*- UJ	10	8.2	ug/L		10/18/25 11:05	10/25/25 21:06	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4-Dinitrophenol	ND	*1 UJ	30	4.7	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:05	10/25/25 21:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:05	10/25/25 21:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 21:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:05	10/25/25 21:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:05	10/25/25 21:06	1
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:05	10/25/25 21:06	1
Indene	**0.79**	**J**	10	0.44	ug/L		10/18/25 11:05	10/25/25 21:06	1
Isophorone	ND		10	0.80	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Methylphenol	ND		10	0.76	ug/L		10/18/25 11:05	10/25/25 21:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:05	10/25/25 21:06	1
3-Nitroaniline	ND		10	0.95	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:05	10/25/25 21:06	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 21:06	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:05	10/25/25 21:06	1
4-Nitrophenol	ND		10	2.7	ug/L		10/18/25 11:05	10/25/25 21:06	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/18/25 11:05	10/25/25 21:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P57-ROX-101625
Date Collected: 10/16/25 10:40
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:05	10/25/25 21:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:05	10/25/25 21:06	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:05	10/25/25 21:06	1
Phenol	**1.3**	**J**	10	0.68	ug/L		10/18/25 11:05	10/25/25 21:06	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:05	10/25/25 21:06	1
Quinoline	ND		10	0.50	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:05	10/25/25 21:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:05	10/25/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*15 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
Nitrobenzene-d5	*62*		*50 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
Terphenyl-d14	*65*		*43 - 147*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
2-Fluorobiphenyl	*60*		*25 - 139*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
2-Fluorophenol	*70*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
Nitrobenzene-d5	*62*		*22 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
Phenol-d5	*63*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
Terphenyl-d14	*65*		*28 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:06*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P74-ROX-101625

Date Collected: 10/16/25 11:50
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 14:05	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*10/28/25 14:05*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/28/25 14:05*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/28/25 14:05*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	500	200	ug/L			10/28/25 18:43	20
Acrolein	ND		400	66	ug/L			10/28/25 18:43	20
Acrylonitrile	ND		200	56	ug/L			10/28/25 18:43	20
Benzene	**3100**		20	10	ug/L			10/28/25 18:43	20
Bromobenzene	ND		20	11	ug/L			10/28/25 18:43	20
Bromochloromethane	ND		20	10	ug/L			10/28/25 18:43	20
Bromodichloromethane	ND		20	10	ug/L			10/28/25 18:43	20
Bromoform	ND		100	5.0	ug/L			10/28/25 18:43	20
Bromomethane	ND	*+	20	20	ug/L			10/28/25 18:43	20
2-Butanone (MEK)	ND		500	52	ug/L			10/28/25 18:43	20
Carbon disulfide	ND		20	10	ug/L			10/28/25 18:43	20
Carbon tetrachloride	ND		20	3.8	ug/L			10/28/25 18:43	20
Chlorobenzene	ND		20	8.4	ug/L			10/28/25 18:43	20
Chloroethane	ND	*+	20	15	ug/L			10/28/25 18:43	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			10/28/25 18:43	20
Chloroform	ND		20	18	ug/L			10/28/25 18:43	20
1-Chlorohexane	ND		20	6.4	ug/L			10/28/25 18:43	20
Chloromethane	ND		20	8.0	ug/L			10/28/25 18:43	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			10/28/25 18:43	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			10/28/25 18:43	20
Dibromochloromethane	ND		20	4.8	ug/L			10/28/25 18:43	20
1,2-Dichlorobenzene	ND		20	10	ug/L			10/28/25 18:43	20
1,3-Dichlorobenzene	ND		20	11	ug/L			10/28/25 18:43	20
1,4-Dichlorobenzene	ND		20	13	ug/L			10/28/25 18:43	20
Dichlorodifluoromethane	ND		20	17	ug/L			10/28/25 18:43	20
1,1-Dichloroethane	ND		20	10	ug/L			10/28/25 18:43	20
1,2-Dichloroethane	ND		20	11	ug/L			10/28/25 18:43	20
1,1-Dichloroethene	ND		20	10	ug/L			10/28/25 18:43	20
1,2-Dichloropropane	ND		20	10	ug/L			10/28/25 18:43	20
1,3-Dichloropropane	ND		20	10	ug/L			10/28/25 18:43	20
2,2-Dichloropropane	ND		20	10	ug/L			10/28/25 18:43	20
1,1-Dichloropropene	ND		20	1.8	ug/L			10/28/25 18:43	20
Ethylbenzene	**31**		20	10	ug/L			10/28/25 18:43	20
Ethyl methacrylate	ND		20	12	ug/L			10/28/25 18:43	20
Hexachlorobutadiene	ND		100	18	ug/L			10/28/25 18:43	20
2-Hexanone	ND		500	85	ug/L			10/28/25 18:43	20
Isopropylbenzene	ND		20	11	ug/L			10/28/25 18:43	20
Methylene bromide	ND		100	4.4	ug/L			10/28/25 18:43	20
Methylene Chloride	ND		100	60	ug/L			10/28/25 18:43	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			10/28/25 18:43	20

Client Sample ID: P74-ROX-101625
Date Collected: 10/16/25 11:50
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		20	4.4	ug/L			10/28/25 18:43	20
m-Xylene & p-Xylene	ND		100	60	ug/L			10/28/25 18:43	20
Naphthalene	ND		100	60	ug/L			10/28/25 18:43	20
n-Butylbenzene	ND	*+	20	15	ug/L			10/28/25 18:43	20
N-Propylbenzene	ND		20	14	ug/L			10/28/25 18:43	20
o-Chlorotoluene	ND		20	11	ug/L			10/28/25 18:43	20
o-Xylene	ND		100	60	ug/L			10/28/25 18:43	20
p-Chlorotoluene	ND		20	11	ug/L			10/28/25 18:43	20
p-Isopropyltoluene	ND		20	14	ug/L			10/28/25 18:43	20
sec-Butylbenzene	ND		20	14	ug/L			10/28/25 18:43	20
Styrene	ND		20	20	ug/L			10/28/25 18:43	20
tert-Butylbenzene	ND		20	13	ug/L			10/28/25 18:43	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			10/28/25 18:43	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			10/28/25 18:43	20
Tetrachloroethene	ND		20	6.6	ug/L			10/28/25 18:43	20
Toluene	**45**		20	18	ug/L			10/28/25 18:43	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			10/28/25 18:43	20
trans-1,3-Dichloropropene	ND		100	4.0	ug/L			10/28/25 18:43	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			10/28/25 18:43	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			10/28/25 18:43	20
1,1,1-Trichloroethane	ND		20	3.6	ug/L			10/28/25 18:43	20
1,1,2-Trichloroethane	ND		100	4.2	ug/L			10/28/25 18:43	20
Trichloroethene	ND		20	3.0	ug/L			10/28/25 18:43	20
Trichlorofluoromethane	ND		20	5.0	ug/L			10/28/25 18:43	20
1,2,3-Trichloropropane	ND		100	17	ug/L			10/28/25 18:43	20
1,2,4-Trimethylbenzene	ND		20	16	ug/L			10/28/25 18:43	20
1,3,5-Trimethylbenzene	ND		20	11	ug/L			10/28/25 18:43	20
Vinyl acetate	ND		500	19	ug/L			10/28/25 18:43	20
Vinyl chloride	ND		20	10	ug/L			10/28/25 18:43	20
Xylenes, Total	ND		200	120	ug/L			10/28/25 18:43	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*10/28/25 18:43*	*20*
Dibromofluoromethane	*103*		*79 - 130*		*10/28/25 18:43*	*20*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/28/25 18:43*	*20*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		10/18/25 11:05	10/25/25 21:36	1
Aniline	ND		9.9	0.73	ug/L		10/18/25 11:05	10/25/25 21:36	1
Acenaphthylene	ND		0.20	0.046	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzenethiol	ND		9.9	0.59	ug/L		10/18/25 11:05	10/25/25 21:36	1
Anthracene	ND		0.20	0.072	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzoic acid	ND		99	79	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 21:36	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		10/18/25 11:05	10/25/25 21:36	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		10/18/25 11:05	10/25/25 21:36	1

Client Sample ID: P74-ROX-101625
Date Collected: 10/16/25 11:50
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		10/18/25 11:05	10/25/25 21:36	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/18/25 11:05	10/25/25 21:36	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 21:36	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/18/25 11:05	10/25/25 21:36	1
Chrysene	ND		0.20	0.038	ug/L		10/18/25 11:05	10/25/25 21:36	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Chloroaniline	ND		9.9	0.57	ug/L		10/18/25 11:05	10/25/25 21:36	1
Fluoranthene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		10/18/25 11:05	10/25/25 21:36	1
Fluorene	ND		0.20	0.086	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/18/25 11:05	10/25/25 21:36	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 21:36	1
1-Methylnaphthalene	**1.0**		0.20	0.065	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Methylnaphthalene	**1.2**		0.20	0.076	ug/L		10/18/25 11:05	10/25/25 21:36	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		10/18/25 11:05	10/25/25 21:36	1
Dibenzofuran	ND		9.9	0.63	ug/L		10/18/25 11:05	10/25/25 21:36	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		10/18/25 11:05	10/25/25 21:36	1
Phenanthrene	ND		0.20	0.043	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		10/18/25 11:05	10/25/25 21:36	1
Pyrene	ND		0.20	0.094	ug/L		10/18/25 11:05	10/25/25 21:36	1
Diethyl phthalate	ND	*- UJ	9.9	3.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4-Dimethylphenol	**0.63**	**J**	9.9	0.24	ug/L		10/18/25 11:05	10/25/25 21:36	1
Dimethyl phthalate	ND	*- UJ	9.9	3.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
Di-n-butyl phthalate	ND	*- UJ	9.9	8.1	ug/L		10/18/25 11:05	10/25/25 21:36	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	1.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4-Dinitrophenol	ND	*1 UJ	30	4.6	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/18/25 11:05	10/25/25 21:36	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		10/18/25 11:05	10/25/25 21:36	1
1,4-Dioxane	ND		9.9	4.2	ug/L		10/18/25 11:05	10/25/25 21:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/18/25 11:05	10/25/25 21:36	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/18/25 11:05	10/25/25 21:36	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:05	10/25/25 21:36	1
Hexachloroethane	ND		9.9	0.52	ug/L		10/18/25 11:05	10/25/25 21:36	1
Indene	ND		9.9	0.43	ug/L		10/18/25 11:05	10/25/25 21:36	1
Isophorone	ND		9.9	0.79	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/18/25 11:05	10/25/25 21:36	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/18/25 11:05	10/25/25 21:36	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/18/25 11:05	10/25/25 21:36	1
Nitrobenzene	ND		9.9	0.59	ug/L		10/18/25 11:05	10/25/25 21:36	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/18/25 11:05	10/25/25 21:36	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/18/25 11:05	10/25/25 21:36	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/18/25 11:05	10/25/25 21:36	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P74-ROX-101625
Date Collected: 10/16/25 11:50
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/18/25 11:05	10/25/25 21:36	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/18/25 11:05	10/25/25 21:36	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/18/25 11:05	10/25/25 21:36	1
Phenol	**45**		9.9	0.67	ug/L		10/18/25 11:05	10/25/25 21:36	1
Pyridine	ND		9.9	3.0	ug/L		10/18/25 11:05	10/25/25 21:36	1
Quinoline	ND		9.9	0.49	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		10/18/25 11:05	10/25/25 21:36	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		10/18/25 11:05	10/25/25 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*15 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
Nitrobenzene-d5	*64*		*50 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
Terphenyl-d14	*56*		*43 - 147*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
2-Fluorobiphenyl	*59*		*25 - 139*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
2-Fluorophenol	*78*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
Nitrobenzene-d5	*64*		*22 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
Phenol-d5	*70*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
Terphenyl-d14	*56*		*28 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*
2,4,6-Tribromophenol	*95*		*10 - 150*	*10/18/25 11:05*	*10/25/25 21:36*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P58-ROX-101625

Date Collected: 10/16/25 13:45
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	4.0	ug/L			10/28/25 10:59	250
1,2-Dibromoethane	ND		5.0	2.5	ug/L			10/28/25 10:59	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*50 - 150*		*10/28/25 10:59*	*250*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 10:59*	*250*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/28/25 10:59*	*250*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	63000	25000	ug/L			10/28/25 19:10	2500
Acrolein	ND		50000	8300	ug/L			10/28/25 19:10	2500
Acrylonitrile	ND		25000	7000	ug/L			10/28/25 19:10	2500
Benzene	**290000**		2500	1300	ug/L			10/28/25 19:10	2500
Bromobenzene	ND		2500	1400	ug/L			10/28/25 19:10	2500
Bromochloromethane	ND		2500	1300	ug/L			10/28/25 19:10	2500
Bromodichloromethane	ND		2500	1300	ug/L			10/28/25 19:10	2500
Bromoform	ND		13000	630	ug/L			10/28/25 19:10	2500
Bromomethane	ND	*+	2500	2500	ug/L			10/28/25 19:10	2500
2-Butanone (MEK)	ND		63000	6500	ug/L			10/28/25 19:10	2500
Carbon disulfide	ND		2500	1300	ug/L			10/28/25 19:10	2500
Carbon tetrachloride	ND		2500	480	ug/L			10/28/25 19:10	2500
Chlorobenzene	ND		2500	1100	ug/L			10/28/25 19:10	2500
Chloroethane	ND	*+	2500	1900	ug/L			10/28/25 19:10	2500
2-Chloroethyl vinyl ether	ND		13000	5000	ug/L			10/28/25 19:10	2500
Chloroform	ND		2500	2300	ug/L			10/28/25 19:10	2500
1-Chlorohexane	ND		2500	800	ug/L			10/28/25 19:10	2500
Chloromethane	ND		2500	1000	ug/L			10/28/25 19:10	2500
cis-1,2-Dichloroethene	ND		2500	500	ug/L			10/28/25 19:10	2500
cis-1,3-Dichloropropene	ND		13000	1300	ug/L			10/28/25 19:10	2500
Dibromochloromethane	ND		2500	600	ug/L			10/28/25 19:10	2500
1,2-Dichlorobenzene	ND		2500	1300	ug/L			10/28/25 19:10	2500
1,3-Dichlorobenzene	ND		2500	1400	ug/L			10/28/25 19:10	2500
1,4-Dichlorobenzene	ND		2500	1600	ug/L			10/28/25 19:10	2500
Dichlorodifluoromethane	ND		2500	2100	ug/L			10/28/25 19:10	2500
1,1-Dichloroethane	ND		2500	1300	ug/L			10/28/25 19:10	2500
1,2-Dichloroethane	ND		2500	1400	ug/L			10/28/25 19:10	2500
1,1-Dichloroethene	ND		2500	1300	ug/L			10/28/25 19:10	2500
1,2-Dichloropropane	ND		2500	1300	ug/L			10/28/25 19:10	2500
1,3-Dichloropropane	ND		2500	1300	ug/L			10/28/25 19:10	2500
2,2-Dichloropropane	ND		2500	1300	ug/L			10/28/25 19:10	2500
1,1-Dichloropropene	ND		2500	230	ug/L			10/28/25 19:10	2500
Ethylbenzene	ND		2500	1300	ug/L			10/28/25 19:10	2500
Ethyl methacrylate	ND		2500	1500	ug/L			10/28/25 19:10	2500
Hexachlorobutadiene	ND		13000	2300	ug/L			10/28/25 19:10	2500
2-Hexanone	ND		63000	11000	ug/L			10/28/25 19:10	2500
Isopropylbenzene	ND		2500	1300	ug/L			10/28/25 19:10	2500
Methylene bromide	ND		13000	550	ug/L			10/28/25 19:10	2500
Methylene Chloride	ND		13000	7500	ug/L			10/28/25 19:10	2500
4-Methyl-2-pentanone (MIBK)	ND		63000	4500	ug/L			10/28/25 19:10	2500

Client Sample ID: P58-ROX-101625
Date Collected: 10/16/25 13:45
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2500	550	ug/L			10/28/25 19:10	2500
m-Xylene & p-Xylene	ND		13000	7500	ug/L			10/28/25 19:10	2500
Naphthalene	ND		13000	7500	ug/L			10/28/25 19:10	2500
n-Butylbenzene	ND	*+	2500	1900	ug/L			10/28/25 19:10	2500
N-Propylbenzene	ND		2500	1700	ug/L			10/28/25 19:10	2500
o-Chlorotoluene	ND		2500	1400	ug/L			10/28/25 19:10	2500
o-Xylene	ND		13000	7500	ug/L			10/28/25 19:10	2500
p-Chlorotoluene	ND		2500	1400	ug/L			10/28/25 19:10	2500
p-Isopropyltoluene	ND		2500	1800	ug/L			10/28/25 19:10	2500
sec-Butylbenzene	ND		2500	1800	ug/L			10/28/25 19:10	2500
Styrene	ND		2500	2500	ug/L			10/28/25 19:10	2500
tert-Butylbenzene	ND		2500	1600	ug/L			10/28/25 19:10	2500
1,1,1,2-Tetrachloroethane	ND		2500	950	ug/L			10/28/25 19:10	2500
1,1,2,2-Tetrachloroethane	ND		2500	1300	ug/L			10/28/25 19:10	2500
Tetrachloroethene	ND		2500	830	ug/L			10/28/25 19:10	2500
Toluene	ND		2500	2300	ug/L			10/28/25 19:10	2500
trans-1,2-Dichloroethene	ND		2500	1300	ug/L			10/28/25 19:10	2500
trans-1,3-Dichloropropene	ND		13000	500	ug/L			10/28/25 19:10	2500
1,2,3-Trichlorobenzene	ND		2500	2300	ug/L			10/28/25 19:10	2500
1,2,4-Trichlorobenzene	ND		2500	2100	ug/L			10/28/25 19:10	2500
1,1,1-Trichloroethane	ND		2500	450	ug/L			10/28/25 19:10	2500
1,1,2-Trichloroethane	ND		13000	530	ug/L			10/28/25 19:10	2500
Trichloroethene	ND		2500	380	ug/L			10/28/25 19:10	2500
Trichlorofluoromethane	ND		2500	630	ug/L			10/28/25 19:10	2500
1,2,3-Trichloropropane	ND		13000	2100	ug/L			10/28/25 19:10	2500
1,2,4-Trimethylbenzene	ND		2500	2100	ug/L			10/28/25 19:10	2500
1,3,5-Trimethylbenzene	ND		2500	1400	ug/L			10/28/25 19:10	2500
Vinyl acetate	ND		63000	2300	ug/L			10/28/25 19:10	2500
Vinyl chloride	ND		2500	1300	ug/L			10/28/25 19:10	2500
Xylenes, Total	ND		25000	15000	ug/L			10/28/25 19:10	2500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*10/28/25 19:10*	*2500*
Dibromofluoromethane	*103*		*79 - 130*		*10/28/25 19:10*	*2500*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/28/25 19:10*	*2500*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.55**		0.20	0.085	ug/L		10/18/25 11:05	10/25/25 22:07	1
Aniline	ND		10	0.74	ug/L		10/18/25 11:05	10/25/25 22:07	1
Acenaphthylene	**0.21**		0.20	0.047	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzenethiol	**0.81**	**J**	10	0.60	ug/L		10/18/25 11:05	10/25/25 22:07	1
Anthracene	**0.090**	**J**	0.20	0.073	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzoic acid	**150**	J	100	80	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzo[a]anthracene	**0.13**	**J**	0.20	0.040	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzo[a]pyrene	**0.12**	**J**	0.20	0.045	ug/L		10/18/25 11:05	10/25/25 22:07	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzo[b]fluoranthene	**0.062**	**J**	0.20	0.042	ug/L		10/18/25 11:05	10/25/25 22:07	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 22:07	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Client Sample ID: P58-ROX-101625
Date Collected: 10/16/25 13:45
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/18/25 11:05	10/25/25 22:07	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 22:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/18/25 11:05	10/25/25 22:07	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:05	10/25/25 22:07	1
Chrysene	**0.24**		0.20	0.039	ug/L		10/18/25 11:05	10/25/25 22:07	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Chloroaniline	**0.63**	**J**	10	0.58	ug/L		10/18/25 11:05	10/25/25 22:07	1
Fluoranthene	**0.073**	**J**	0.20	0.032	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:05	10/25/25 22:07	1
Fluorene	**1.6**		0.20	0.087	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Chlorophenol	ND		10	0.84	ug/L		10/18/25 11:05	10/25/25 22:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/18/25 11:05	10/25/25 22:07	1
1-Methylnaphthalene	**44**		0.20	0.066	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Methylnaphthalene	**45**		0.20	0.077	ug/L		10/18/25 11:05	10/25/25 22:07	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:05	10/25/25 22:07	1
Dibenzofuran	**1.8**	**J**	10	0.64	ug/L		10/18/25 11:05	10/25/25 22:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:05	10/25/25 22:07	1
Phenanthrene	**1.0**		0.20	0.044	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:05	10/25/25 22:07	1
Pyrene	**0.30**		0.20	0.095	ug/L		10/18/25 11:05	10/25/25 22:07	1
Diethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4-Dimethylphenol	**9.2**	**J**	10	0.24	ug/L		10/18/25 11:05	10/25/25 22:07	1
Dimethyl phthalate	ND	*- UJ	10	4.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
Di-n-butyl phthalate	ND	*- UJ	10	8.2	ug/L		10/18/25 11:05	10/25/25 22:07	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4-Dinitrophenol	ND	*1 UJ	30	4.7	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:05	10/25/25 22:07	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:05	10/25/25 22:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/18/25 11:05	10/25/25 22:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:05	10/25/25 22:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:05	10/25/25 22:07	1
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:05	10/25/25 22:07	1
Indene	**2.0**	**J**	10	0.44	ug/L		10/18/25 11:05	10/25/25 22:07	1
Isophorone	ND		10	0.80	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Methylphenol	ND		10	0.76	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:05	10/25/25 22:07	1
3-Nitroaniline	ND		10	0.95	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:05	10/25/25 22:07	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:05	10/25/25 22:07	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:05	10/25/25 22:07	1
4-Nitrophenol	ND		10	2.7	ug/L		10/18/25 11:05	10/25/25 22:07	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/18/25 11:05	10/25/25 22:07	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:05	10/25/25 22:07	1

Client Sample ID: P58-ROX-101625
Date Collected: 10/16/25 13:45
Date Received: 10/17/25 09:29

Lab Sample ID: 400-284318-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:05	10/25/25 22:07	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:05	10/25/25 22:07	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:05	10/25/25 22:07	1
Quinoline	**0.81**	**J**	10	0.50	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:05	10/25/25 22:07	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:05	10/25/25 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*15 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
Nitrobenzene-d5	*69*		*50 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
Terphenyl-d14	*60*		*43 - 147*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
2-Fluorobiphenyl	*56*		*25 - 139*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
2-Fluorophenol	*79*		*10 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
Nitrobenzene-d5	*69*		*22 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
Phenol-d5	*74*		*10 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
Terphenyl-d14	*60*		*28 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*10/18/25 11:05*	*10/25/25 22:07*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**420**		200	14	ug/L		10/18/25 11:05	10/28/25 19:15	20

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**2100**		2000	460	ug/L		10/18/25 11:05	10/29/25 15:39	100

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284318-1	TB-ROX-101625-8260	98	105	100
400-284318-3	P57-ROX-101625-EB	97	105	103
400-284318-4	P57-ROX-101625	101	101	103
400-284318-5	P74-ROX-101625	98	103	103
400-284318-6	P58-ROX-101625	100	103	101
LCS 400-728255/1002	Lab Control Sample	93	107	101
LCS 400-728411/1002	Lab Control Sample	93	105	101
MB 400-728255/5	Method Blank	99	104	102
MB 400-728411/5	Method Blank	102	105	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284318-2	TB-ROX-101625-8260-SIM	114	87	82
400-284318-3	P57-ROX-101625-EB	115	84	80
400-284318-4	P57-ROX-101625	111	91	79
400-284318-5	P74-ROX-101625	104	85	80
400-284318-6	P58-ROX-101625	110	88	80
LCS 400-728401/1003	Lab Control Sample	111	93	84
MB 400-728401/5	Method Blank	113	88	83

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284318-3	P57-ROX-101625-EB	57	64	80	57	76	64	67	80
400-284318-4	P57-ROX-101625	60	62	65	60	70	62	63	65
400-284318-5	P74-ROX-101625	59	64	56	59	78	64	70	56
400-284318-6	P58-ROX-101625	56	69	60	56	79	69	74	60
LCS 400-727296/2-A	Lab Control Sample				42	34	44	39	43
LCS 400-727296/4-A	Lab Control Sample				45	40	46	42	48
LCSD 400-727296/3-A	Lab Control Sample Dup				45	39	45	43	44
LCSD 400-727296/5-A	Lab Control Sample Dup				51	42	52	44	51
MB 400-727296/1-A	Method Blank				53	60	53	58	52

Surrogate Summary

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		TBP						
Lab Sample ID	Client Sample ID	(10-150)						
400-284318-3	P57-ROX-101625-EB	73						
400-284318-4	P57-ROX-101625	76						
400-284318-5	P74-ROX-101625	95						
400-284318-6	P58-ROX-101625	91						
LCS 400-727296/2-A	Lab Control Sample	26						
LCS 400-727296/4-A	Lab Control Sample	27						
LCSD 400-727296/3-A	Lab Control Sample Dup	34						
LCSD 400-727296/5-A	Lab Control Sample Dup	33						
MB 400-727296/1-A	Method Blank	56						

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284318-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101625-8260
Lab Sample ID: 400-284318-1
Date Collected: 10/16/25 00:00
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728255	10/27/25 19:36	RSG	EET PEN

Client Sample ID: TB-ROX-101625-8260-SIM
Lab Sample ID: 400-284318-2
Date Collected: 10/16/25 00:00
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 12:32	WPD	EET PEN

Client Sample ID: P57-ROX-101625-EB
Lab Sample ID: 400-284318-3
Date Collected: 10/16/25 08:35
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728255	10/27/25 20:03	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 13:19	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 20:36	S1B	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 20:36	S1B	EET PEN

Client Sample ID: P57-ROX-101625
Lab Sample ID: 400-284318-4
Date Collected: 10/16/25 10:40
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728255	10/27/25 20:29	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 13:42	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 21:06	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 21:06	S1B	EET PEN

Client Sample ID: P74-ROX-101625
Lab Sample ID: 400-284318-5
Date Collected: 10/16/25 11:50
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	728411	10/28/25 18:43	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 14:05	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 21:36	S1B	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 21:36	S1B	EET PEN

Client Sample ID: P58-ROX-101625
Lab Sample ID: 400-284318-6

Date Collected: 10/16/25 13:45
Matrix: Water
Date Received: 10/17/25 09:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2500	5 mL	5 mL	728411	10/28/25 19:10	RSG	EET PEN
Total/NA	Analysis	8260D SIM		250	5 mL	5 mL	728401	10/28/25 10:59	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 22:07	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 22:07	S1B	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			728433	10/28/25 19:15	UI	EET PEN
Total/NA	Prep	3511	DL2		30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	100			728622	10/29/25 15:39	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727296/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 16:35	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728255/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728255	10/27/25 09:49	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728401/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 07:28	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728411/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728411	10/28/25 09:36	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727296/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:04	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 17:05	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727296/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 18:06	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728255/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728255	10/27/25 08:30	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728401/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 06:30	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728411/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728411	10/28/25 08:24	RSG	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727296/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 17:35	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727296/5-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727296	10/18/25 11:05	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 18:36	S1B	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 728255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-1	TB-ROX-101625-8260	Total/NA	Water	8260D	
400-284318-3	P57-ROX-101625-EB	Total/NA	Water	8260D	
400-284318-4	P57-ROX-101625	Total/NA	Water	8260D	
MB 400-728255/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728255/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-2	TB-ROX-101625-8260-SIM	Total/NA	Water	8260D SIM	
400-284318-3	P57-ROX-101625-EB	Total/NA	Water	8260D SIM	
400-284318-4	P57-ROX-101625	Total/NA	Water	8260D SIM	
400-284318-5	P74-ROX-101625	Total/NA	Water	8260D SIM	
400-284318-6	P58-ROX-101625	Total/NA	Water	8260D SIM	
MB 400-728401/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728401/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 728411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-5	P74-ROX-101625	Total/NA	Water	8260D	
400-284318-6	P58-ROX-101625	Total/NA	Water	8260D	
MB 400-728411/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728411/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-3	P57-ROX-101625-EB	Total/NA	Water	3511	
400-284318-4	P57-ROX-101625	Total/NA	Water	3511	
400-284318-5	P74-ROX-101625	Total/NA	Water	3511	
400-284318-6	P58-ROX-101625	Total/NA	Water	3511	
400-284318-6 - DL	P58-ROX-101625	Total/NA	Water	3511	
400-284318-6 - DL2	P58-ROX-101625	Total/NA	Water	3511	
MB 400-727296/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727296/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-727296/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-3	P57-ROX-101625-EB	Total/NA	Water	8270E	727296
400-284318-4	P57-ROX-101625	Total/NA	Water	8270E	727296
400-284318-5	P74-ROX-101625	Total/NA	Water	8270E	727296
400-284318-6	P58-ROX-101625	Total/NA	Water	8270E	727296

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-3	P57-ROX-101625-EB	Total/NA	Water	8270E	727296
400-284318-4	P57-ROX-101625	Total/NA	Water	8270E	727296
400-284318-5	P74-ROX-101625	Total/NA	Water	8270E	727296

GC/MS Semi VOA (Continued)

Analysis Batch: 728176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-6	P58-ROX-101625	Total/NA	Water	8270E	727296
MB 400-727296/1-A	Method Blank	Total/NA	Water	8270E	727296
LCS 400-727296/2-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCS 400-727296/4-A	Lab Control Sample	Total/NA	Water	8270E	727296
LCSD 400-727296/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296
LCSD 400-727296/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	727296

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-6 - DL	P58-ROX-101625	Total/NA	Water	8270E	727296

Analysis Batch: 728622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284318-6 - DL2	P58-ROX-101625	Total/NA	Water	8270E	727296

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728255/5
Matrix: Water
Analysis Batch: 728255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/27/25 09:49	1
Acrolein	ND		20	3.3	ug/L			10/27/25 09:49	1
Acrylonitrile	ND		10	2.8	ug/L			10/27/25 09:49	1
Benzene	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Bromobenzene	ND		1.0	0.54	ug/L			10/27/25 09:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/27/25 09:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Bromoform	ND		5.0	0.25	ug/L			10/27/25 09:49	1
Bromomethane	ND		1.0	0.98	ug/L			10/27/25 09:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/27/25 09:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/27/25 09:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/27/25 09:49	1
Chloroethane	ND		1.0	0.76	ug/L			10/27/25 09:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/27/25 09:49	1
Chloroform	ND		1.0	0.90	ug/L			10/27/25 09:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/27/25 09:49	1
Chloromethane	ND		1.0	0.40	ug/L			10/27/25 09:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/27/25 09:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/27/25 09:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/27/25 09:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/27/25 09:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/27/25 09:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/27/25 09:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/27/25 09:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/27/25 09:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 09:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/27/25 09:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/27/25 09:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/27/25 09:49	1
2-Hexanone	ND		25	4.3	ug/L			10/27/25 09:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/27/25 09:49	1
Methylene bromide	ND		5.0	0.22	ug/L			10/27/25 09:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/27/25 09:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/27/25 09:49	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/27/25 09:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/27/25 09:49	1
Naphthalene	ND		5.0	3.0	ug/L			10/27/25 09:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/27/25 09:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/27/25 09:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/27/25 09:49	1
o-Xylene	ND		5.0	3.0	ug/L			10/27/25 09:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/27/25 09:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728255/5
Matrix: Water
Analysis Batch: 728255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/27/25 09:49	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/27/25 09:49	1
Styrene	ND		1.0	1.0	ug/L			10/27/25 09:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/27/25 09:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/27/25 09:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/27/25 09:49	1
Toluene	ND		1.0	0.90	ug/L			10/27/25 09:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/27/25 09:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/27/25 09:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/27/25 09:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/27/25 09:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/27/25 09:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/27/25 09:49	1
Trichloroethene	ND		1.0	0.15	ug/L			10/27/25 09:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/27/25 09:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/27/25 09:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/27/25 09:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/27/25 09:49	1
Vinyl acetate	ND		25	0.93	ug/L			10/27/25 09:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/27/25 09:49	1
Xylenes, Total	ND		10	6.0	ug/L			10/27/25 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/27/25 09:49*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*10/27/25 09:49*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*10/27/25 09:49*	*1*

Lab Sample ID: LCS 400-728255/1002
Matrix: Water
Analysis Batch: 728255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	404	*+	ug/L		202	43 - 150
Acrolein	500	570		ug/L		114	38 - 150
Acrylonitrile	500	509		ug/L		102	64 - 142
Benzene	50.0	49.1		ug/L		98	70 - 130
Bromobenzene	50.0	47.2		ug/L		94	70 - 132
Bromochloromethane	50.0	53.2		ug/L		106	70 - 130
Bromodichloromethane	50.0	49.8		ug/L		100	67 - 133
Bromoform	50.0	46.6		ug/L		93	57 - 140
Bromomethane	50.0	97.4	*+	ug/L		195	10 - 150
2-Butanone (MEK)	200	227		ug/L		114	61 - 145
Carbon disulfide	50.0	56.4		ug/L		113	61 - 137
Carbon tetrachloride	50.0	47.6		ug/L		95	61 - 137
Chlorobenzene	50.0	50.4		ug/L		101	70 - 130
Chloroethane	50.0	61.7		ug/L		123	55 - 141
2-Chloroethyl vinyl ether	50.0	41.5		ug/L		83	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728255/1002
Matrix: Water
Analysis Batch: 728255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	51.1		ug/L		102	69 - 130
1-Chlorohexane	50.0	53.4		ug/L		107	69 - 130
Chloromethane	50.0	58.4		ug/L		117	58 - 137
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	69 - 132
Dibromochloromethane	50.0	50.1		ug/L		100	67 - 135
1,2-Dichlorobenzene	50.0	53.2		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	47.7		ug/L		95	41 - 146
1,1-Dichloroethane	50.0	47.5		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	51.6		ug/L		103	69 - 130
1,1-Dichloroethene	50.0	54.5		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	50.7		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	47.6		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	49.7		ug/L		99	70 - 130
Ethylbenzene	50.0	51.9		ug/L		104	70 - 130
Ethyl methacrylate	50.0	48.6		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	53.4		ug/L		107	53 - 140
2-Hexanone	200	215		ug/L		108	65 - 137
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 130
Methylene bromide	50.0	53.2		ug/L		106	70 - 130
Methylene Chloride	50.0	51.1		ug/L		102	66 - 135
4-Methyl-2-pentanone (MIBK)	200	205		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	48.1		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	49.1		ug/L		98	70 - 130
Naphthalene	50.0	46.3		ug/L		93	47 - 149
n-Butylbenzene	50.0	61.8		ug/L		124	67 - 130
N-Propylbenzene	50.0	50.9		ug/L		102	70 - 130
o-Chlorotoluene	50.0	52.5		ug/L		105	70 - 130
o-Xylene	50.0	51.3		ug/L		103	70 - 130
p-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	54.8		ug/L		110	65 - 130
sec-Butylbenzene	50.0	54.4		ug/L		109	66 - 130
Styrene	50.0	50.4		ug/L		101	70 - 130
tert-Butylbenzene	50.0	53.8		ug/L		108	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.2		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/L		100	70 - 131
Tetrachloroethene	50.0	46.5		ug/L		93	65 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	50.5		ug/L		101	63 - 130
1,2,3-Trichlorobenzene	50.0	47.4		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	47.8		ug/L		96	68 - 130
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
Trichloroethene	50.0	47.0		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	62.3		ug/L		125	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728255/1002
Matrix: Water
Analysis Batch: 728255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	51.7		ug/L		103	69 - 130
Vinyl acetate	100	119		ug/L		119	26 - 150
Vinyl chloride	50.0	51.5		ug/L		103	59 - 136
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-728411/5
Matrix: Water
Analysis Batch: 728411

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 09:36	1
Acrolein	ND		20	3.3	ug/L			10/28/25 09:36	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 09:36	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 09:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 09:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 09:36	1
Bromomethane	ND		1.0	0.98	ug/L			10/28/25 09:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 09:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 09:36	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 09:36	1
Chloroethane	ND		1.0	0.76	ug/L			10/28/25 09:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 09:36	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 09:36	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 09:36	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 09:36	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 09:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 09:36	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 09:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 09:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 09:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 09:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 09:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 09:36	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 09:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 09:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 09:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 09:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 09:36	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728411/5
Matrix: Water
Analysis Batch: 728411

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 09:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 09:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 09:36	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 09:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 09:36	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 09:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/28/25 09:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 09:36	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 09:36	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 09:36	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 09:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 09:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 09:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 09:36	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 09:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 09:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 09:36	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 09:36	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 09:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 09:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 09:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 09:36	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 09:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 09:36	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 09:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 09:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 09:36	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 09:36	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 09:36	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 09:36	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 09:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 09:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 09:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 09:36	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 09:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 09:36	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 09:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/28/25 09:36*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*10/28/25 09:36*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/28/25 09:36*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728411/1002
Matrix: Water
Analysis Batch: 728411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	407	*+	ug/L		204	43 - 150
Acrolein	500	530		ug/L		106	38 - 150
Acrylonitrile	500	557		ug/L		111	64 - 142
Benzene	50.0	54.2		ug/L		108	70 - 130
Bromobenzene	50.0	50.8		ug/L		102	70 - 132
Bromochloromethane	50.0	56.9		ug/L		114	70 - 130
Bromodichloromethane	50.0	54.6		ug/L		109	67 - 133
Bromoform	50.0	47.7		ug/L		95	57 - 140
Bromomethane	50.0	94.4	*+	ug/L		189	10 - 150
2-Butanone (MEK)	200	251		ug/L		126	61 - 145
Carbon disulfide	50.0	60.3		ug/L		121	61 - 137
Carbon tetrachloride	50.0	52.5		ug/L		105	61 - 137
Chlorobenzene	50.0	54.4		ug/L		109	70 - 130
Chloroethane	50.0	71.7	*+	ug/L		143	55 - 141
2-Chloroethyl vinyl ether	50.0	40.0		ug/L		80	10 - 150
Chloroform	50.0	55.3		ug/L		111	69 - 130
1-Chlorohexane	50.0	58.5		ug/L		117	69 - 130
Chloromethane	50.0	61.9		ug/L		124	58 - 137
cis-1,2-Dichloroethene	50.0	53.3		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	53.1		ug/L		106	69 - 132
Dibromochloromethane	50.0	54.8		ug/L		110	67 - 135
1,2-Dichlorobenzene	50.0	58.1		ug/L		116	67 - 130
1,3-Dichlorobenzene	50.0	56.1		ug/L		112	70 - 130
1,4-Dichlorobenzene	50.0	55.6		ug/L		111	70 - 130
Dichlorodifluoromethane	50.0	46.8		ug/L		94	41 - 146
1,1-Dichloroethane	50.0	52.6		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	54.4		ug/L		109	69 - 130
1,1-Dichloroethene	50.0	56.9		ug/L		114	63 - 134
1,2-Dichloropropane	50.0	53.9		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	54.6		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	50.7		ug/L		101	52 - 135
1,1-Dichloropropene	50.0	54.5		ug/L		109	70 - 130
Ethylbenzene	50.0	56.9		ug/L		114	70 - 130
Ethyl methacrylate	50.0	52.5		ug/L		105	68 - 130
Hexachlorobutadiene	50.0	56.5		ug/L		113	53 - 140
2-Hexanone	200	223		ug/L		112	65 - 137
Isopropylbenzene	50.0	57.8		ug/L		116	70 - 130
Methylene bromide	50.0	56.4		ug/L		113	70 - 130
Methylene Chloride	50.0	59.0		ug/L		118	66 - 135
4-Methyl-2-pentanone (MIBK)	200	212		ug/L		106	69 - 138
Methyl tert-butyl ether	50.0	51.4		ug/L		103	66 - 130
m-Xylene & p-Xylene	50.0	55.3		ug/L		111	70 - 130
Naphthalene	50.0	46.4		ug/L		93	47 - 149
n-Butylbenzene	50.0	71.4	*+	ug/L		143	67 - 130
N-Propylbenzene	50.0	55.4		ug/L		111	70 - 130
o-Chlorotoluene	50.0	57.7		ug/L		115	70 - 130
o-Xylene	50.0	56.4		ug/L		113	70 - 130
p-Chlorotoluene	50.0	57.2		ug/L		114	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728411/1002
Matrix: Water
Analysis Batch: 728411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	59.5		ug/L		119	65 - 130
sec-Butylbenzene	50.0	60.0		ug/L		120	66 - 130
Styrene	50.0	55.2		ug/L		110	70 - 130
tert-Butylbenzene	50.0	58.6		ug/L		117	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.9		ug/L		106	70 - 131
Tetrachloroethene	50.0	51.6		ug/L		103	65 - 130
Toluene	50.0	54.1		ug/L		108	70 - 130
trans-1,2-Dichloroethene	50.0	52.8		ug/L		106	70 - 130
trans-1,3-Dichloropropene	50.0	54.0		ug/L		108	63 - 130
1,2,3-Trichlorobenzene	50.0	48.5		ug/L		97	60 - 138
1,2,4-Trichlorobenzene	50.0	51.5		ug/L		103	60 - 140
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	68 - 130
1,1,2-Trichloroethane	50.0	54.3		ug/L		109	70 - 130
Trichloroethene	50.0	51.8		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	66.6		ug/L		133	65 - 138
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	57.9		ug/L		116	70 - 130
1,3,5-Trimethylbenzene	50.0	56.6		ug/L		113	69 - 130
Vinyl acetate	100	120		ug/L		120	26 - 150
Vinyl chloride	50.0	51.6		ug/L		103	59 - 136
Xylenes, Total	100	112		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728401/5
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 07:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 07:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/28/25 07:28*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 07:28*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/28/25 07:28*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-728401/1003
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.464		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.552		ug/L		110	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*93*		*50 - 150*
4-Bromofluorobenzene	*84*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzenethiol	ND		10	0.60	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzoic acid	ND		100	80	ug/L		10/18/25 11:04	10/25/25 16:35	1
Benzyl alcohol	ND		35	30	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/18/25 11:04	10/25/25 16:35	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/18/25 11:04	10/25/25 16:35	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/18/25 11:04	10/25/25 16:35	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chloroaniline	ND		10	0.58	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Chlorophenol	ND		10	0.84	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dibenzofuran	ND		10	0.64	ug/L		10/18/25 11:04	10/25/25 16:35	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/18/25 11:04	10/25/25 16:35	1
Diethyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/18/25 11:04	10/25/25 16:35	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/18/25 11:04	10/25/25 16:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/18/25 11:04	10/25/25 16:35	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
1,4-Dioxane	ND		10	4.3	ug/L		10/18/25 11:04	10/25/25 16:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/18/25 11:04	10/25/25 16:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/18/25 11:04	10/25/25 16:35	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/18/25 11:04	10/25/25 16:35	1
Hexachloroethane	ND		10	0.53	ug/L		10/18/25 11:04	10/25/25 16:35	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727296/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indene	ND		10	0.44	ug/L		10/18/25 11:04	10/25/25 16:35	1
Isophorone	ND		10	0.80	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Methylphenol	ND		10	0.76	ug/L		10/18/25 11:04	10/25/25 16:35	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Nitroaniline	ND		10	1.4	ug/L		10/18/25 11:04	10/25/25 16:35	1
3-Nitroaniline	ND		10	0.95	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Nitroaniline	ND		10	3.5	ug/L		10/18/25 11:04	10/25/25 16:35	1
Nitrobenzene	ND		10	0.60	ug/L		10/18/25 11:04	10/25/25 16:35	1
2-Nitrophenol	ND		10	1.2	ug/L		10/18/25 11:04	10/25/25 16:35	1
4-Nitrophenol	ND		10	2.7	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/18/25 11:04	10/25/25 16:35	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/18/25 11:04	10/25/25 16:35	1
Pentachlorophenol	ND		10	2.8	ug/L		10/18/25 11:04	10/25/25 16:35	1
Phenol	ND		10	0.68	ug/L		10/18/25 11:04	10/25/25 16:35	1
Pyridine	ND		10	3.0	ug/L		10/18/25 11:04	10/25/25 16:35	1
Quinoline	ND		10	0.50	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/18/25 11:04	10/25/25 16:35	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/18/25 11:04	10/25/25 16:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*25 - 139*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2-Fluorophenol	*60*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Nitrobenzene-d5	*53*		*22 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Phenol-d5	*58*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
Terphenyl-d14	*52*		*28 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*
2,4,6-Tribromophenol	*56*		*10 - 150*	*10/18/25 11:04*	*10/25/25 16:35*	*1*

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	32.0		ug/L		96	10 - 134
Benzoic acid	152	ND		ug/L		49	10 - 180
Benzyl alcohol	33.3	ND		ug/L		80	10 - 150
Bis(2-chloroethoxy)methane	33.3	23.4		ug/L		70	34 - 120
Bis(2-chloroethyl)ether	33.3	19.7		ug/L		59	32 - 114
bis (2-chloroisopropyl) ether	33.3	20.4		ug/L		61	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	24.0		ug/L		72	24 - 133
4-Bromophenyl phenyl ether	33.3	21.3		ug/L		64	24 - 120
Butyl benzyl phthalate	33.3	7.92	J	ug/L		24	24 - 140
4-Chloroaniline	33.3	39.6		ug/L		119	10 - 150
4-Chloro-3-methylphenol	33.3	13.1		ug/L		39	10 - 137
2-Chloronaphthalene	33.3	16.7		ug/L		50	10 - 150
2-Chlorophenol	33.3	12.8		ug/L		38	28 - 127
4-Chlorophenyl phenyl ether	33.3	17.5		ug/L		53	31 - 110
Dibenz[a,h]acridine	33.3	20.9		ug/L		63	40 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727296/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	19.8		ug/L		60	35 - 110
3,3'-Dichlorobenzidine	66.7	41.7		ug/L		63	10 - 150
2,4-Dichlorophenol	33.3	11.5		ug/L		35	30 - 125
Diethyl phthalate	33.3	5.64	J *-	ug/L		17	31 - 118
2,4-Dimethylphenol	33.3	10.7		ug/L		32	10 - 142
Dimethyl phthalate	33.3	6.41	J *-	ug/L		19	24 - 125
Di-n-butyl phthalate	33.3	8.57	J *-	ug/L		26	30 - 127
4,6-Dinitro-ortho-cresol	66.7	11.8		ug/L		18	10 - 150
2,4-Dinitrophenol	66.7	6.86	J	ug/L		10	10 - 150
2,4-Dinitrotoluene	33.3	21.3		ug/L		64	30 - 129
2,6-Dinitrotoluene	33.3	22.6		ug/L		68	34 - 132
Di-n-octyl phthalate	33.3	21.6		ug/L		65	28 - 142
1,4-Dioxane	33.3	24.2		ug/L		72	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	19.3		ug/L		58	29 - 121
Hexachlorobenzene	33.3	20.7		ug/L		62	29 - 113
Hexachlorocyclopentadiene	33.3	3.50	J	ug/L		11	10 - 150
Hexachloroethane	33.3	13.1		ug/L		39	10 - 112
Indene	33.3	16.8		ug/L		50	10 - 113
Isophorone	33.3	20.1		ug/L		60	29 - 125
2-Methylphenol	33.3	13.1		ug/L		39	11 - 121
3 & 4 Methylphenol	33.3	13.7	J	ug/L		41	10 - 150
2-Nitroaniline	33.3	22.3		ug/L		67	31 - 141
3-Nitroaniline	33.3	31.9		ug/L		96	33 - 136
4-Nitroaniline	33.3	24.5		ug/L		74	37 - 139
Nitrobenzene	33.3	19.6		ug/L		59	29 - 129
2-Nitrophenol	33.3	11.8		ug/L		35	31 - 142
4-Nitrophenol	66.7	36.4		ug/L		55	10 - 150
N-Nitrosodimethylamine	33.3	23.6		ug/L		71	10 - 136
N-Nitrosodi-n-propylamine	33.3	22.9		ug/L		69	50 - 134
N-Nitrosodiphenylamine	33.1	22.1		ug/L		67	50 - 132
Pentachlorophenol	66.7	20.5		ug/L		31	14 - 150
Phenol	33.3	19.3		ug/L		58	10 - 150
Pyridine	66.7	51.1		ug/L		77	10 - 150
Quinoline	33.3	36.7		ug/L		110	40 - 150
2,4,5-Trichlorophenol	33.3	10.4		ug/L		31	27 - 136
2,4,6-Trichlorophenol	33.3	10.2		ug/L		31	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*42*		*25 - 139*
2-Fluorophenol	*34*		*10 - 150*
Nitrobenzene-d5	*44*		*22 - 150*
Phenol-d5	*39*		*10 - 150*
Terphenyl-d14	*43*		*28 - 150*
2,4,6-Tribromophenol	*26*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727296/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	7.49	J	ug/L		22	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*45*		*25 - 139*
2-Fluorophenol	*40*		*10 - 150*
Nitrobenzene-d5	*46*		*22 - 150*
Phenol-d5	*42*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*27*		*10 - 150*

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			33.3	30.6		ug/L		92	10 - 134	4	40
Benzoic acid			152	110		ug/L		72	10 - 180	38	40
Benzyl alcohol			33.3	ND		ug/L		77	10 - 150	4	40
Bis(2-chloroethoxy)methane			33.3	25.6		ug/L		77	34 - 120	9	40
Bis(2-chloroethyl)ether			33.3	21.3		ug/L		64	32 - 114	7	40
bis (2-chloroisopropyl) ether			33.3	22.2		ug/L		67	32 - 115	8	40
Bis(2-ethylhexyl) phthalate			33.3	26.1		ug/L		78	24 - 133	9	40
4-Bromophenyl phenyl ether			33.3	23.6		ug/L		71	24 - 120	10	40
Butyl benzyl phthalate			33.3	9.91	J	ug/L		30	24 - 140	22	40
4-Chloroaniline			33.3	40.3		ug/L		121	10 - 150	2	40
4-Chloro-3-methylphenol			33.3	15.7		ug/L		47	10 - 137	18	40
2-Chloronaphthalene			33.3	21.2		ug/L		64	10 - 150	24	40
2-Chlorophenol			33.3	14.8		ug/L		44	28 - 127	14	40
4-Chlorophenyl phenyl ether			33.3	19.9		ug/L		60	31 - 110	13	40
Dibenz[a,h]acridine			33.3	21.9		ug/L		66	40 - 150	5	40
Dibenzofuran			33.3	22.1		ug/L		66	35 - 110	11	40
3,3'-Dichlorobenzidine			66.7	45.3		ug/L		68	10 - 150	8	40
2,4-Dichlorophenol			33.3	13.9		ug/L		42	30 - 125	19	40
Diethyl phthalate			33.3	6.96	J *-	ug/L		21	31 - 118	21	40
2,4-Dimethylphenol			33.3	12.9		ug/L		39	10 - 142	18	40
Dimethyl phthalate			33.3	8.14	J	ug/L		24	24 - 125	24	40
Di-n-butyl phthalate			33.3	10.2		ug/L		31	30 - 127	17	40
4,6-Dinitro-ortho-cresol			66.7	16.4		ug/L		25	10 - 150	32	40
2,4-Dinitrophenol			66.7	11.9	J *1	ug/L		18	10 - 150	54	40
2,4-Dinitrotoluene			33.3	24.0		ug/L		72	30 - 129	12	40
2,6-Dinitrotoluene			33.3	25.4		ug/L		76	34 - 132	12	40
Di-n-octyl phthalate			33.3	24.1		ug/L		72	28 - 142	11	40
1,4-Dioxane			33.3	24.8		ug/L		74	10 - 137	2	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	21.8		ug/L		65	29 - 121	12	40
Hexachlorobenzene			33.3	22.0		ug/L		66	29 - 113	6	40
Hexachlorocyclopentadiene			33.3	4.54	J	ug/L		14	10 - 150	26	40
Hexachloroethane			33.3	14.8		ug/L		44	10 - 112	12	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727296/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indene			33.3	18.6		ug/L		56	10 - 113	11	40
Isophorone			33.3	22.1		ug/L		66	29 - 125	9	40
2-Methylphenol			33.3	15.7		ug/L		47	11 - 121	18	40
3 & 4 Methylphenol			33.3	15.6	J	ug/L		47	10 - 150	13	40
2-Nitroaniline			33.3	24.3		ug/L		73	31 - 141	9	40
3-Nitroaniline			33.3	32.9		ug/L		99	33 - 136	3	40
4-Nitroaniline			33.3	25.8		ug/L		78	37 - 139	5	40
Nitrobenzene			33.3	21.8		ug/L		65	29 - 129	11	40
2-Nitrophenol			33.3	14.4		ug/L		43	31 - 142	20	40
4-Nitrophenol			66.7	41.2		ug/L		62	10 - 150	12	40
N-Nitrosodimethylamine			33.3	24.3		ug/L		73	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	24.2		ug/L		73	50 - 134	6	40
N-Nitrosodiphenylamine			33.1	24.2		ug/L		73	50 - 132	9	40
Pentachlorophenol			66.7	26.7		ug/L		40	14 - 150	26	40
Phenol			33.3	20.6		ug/L		62	10 - 150	7	40
Pyridine			66.7	48.4		ug/L		73	10 - 150	6	40
Quinoline			33.3	36.5		ug/L		110	40 - 150	1	40
2,4,5-Trichlorophenol			33.3	13.0		ug/L		39	27 - 136	22	40
2,4,6-Trichlorophenol			33.3	12.4		ug/L		37	21 - 132	20	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*45*		*25 - 139*
2-Fluorophenol	*39*		*10 - 150*
Nitrobenzene-d5	*45*		*22 - 150*
Phenol-d5	*43*		*10 - 150*
Terphenyl-d14	*44*		*28 - 150*
2,4,6-Tribromophenol	*34*		*10 - 150*

Lab Sample ID: LCSD 400-727296/5-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	9.73	J	ug/L		29	10 - 150	26	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*51*		*25 - 139*
2-Fluorophenol	*42*		*10 - 150*
Nitrobenzene-d5	*52*		*22 - 150*
Phenol-d5	*44*		*10 - 150*
Terphenyl-d14	*51*		*28 - 150*
2,4,6-Tribromophenol	*33*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/16/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
100 N Broadway 20th Floor ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa Brett Howell

SAMPLER NAME(S) (Print). S.MCLEAN, T JENKINS

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com, brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

400-284318 Chain of Custody

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-101625-8260	10/16/2025	0000	Water	2					2	X			
	TB-ROX-101625-8260SIM	10/16/2025	0000	Water	2					2		X		
	P57-ROX-101625-EB	10/16/2025	0835	Water	6			4		10	X	X	X	X
	P57-ROX-101625	10/16/2025	1040	Water	6			4		10	X	X	X	X
	P74-ROX-101625	10/16/2025	1150	Water	6			4		10	X	X	X	X
	P58-ROX-101625	10/16/2025	1345	Water	6			4		10	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9608 5524	10/16/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/17/25	Time: 929
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEALS: 2698046/ 2698047

0.0°C, 1.2°C/IR 11

Version 21 July 25

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10/30/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284318-1

Login Number: 284318
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C, 1.2°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284318-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-284370-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/9/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.		X		
Method 8270E All SVOCs in sample T12-ROX-101725 were re-extracted 3 days outside of extraction time criteria (7 days) and then re-analyzed due to blank contamination and surrogate exceedances in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in sample T12-ROX-101725 were reported from the primary run.					
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
T12-ROX-101725	SVOCs	2-Fluorobiphenyl	196	10-150
T12-ROX-101725	SVOCs	Phenol-d5	179	10-150
T12-ROX-101725	SVOCs	2,4,6-Tribromophenol	202	10-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria. All detected acidic SVOCs in sample T12-ROX-101725 were qualified as estimated (J).

Sample ID	Parameter	Analyte	Qualification
T12-ROX-101725	SVOCs	2,4-Dimethylphenol	J
T12-ROX-101725	SVOCs	Phenol	J

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-728746/1003	VOCs	Bromomethane	**195**	NA	10-150
LCS 400-728746/1003	VOCs	2-Butanone (MEK)	**156**	NA	61-145
LCS 400-728746/1003	VOCs	Chloroethane	**143**	NA	55-141
LCS 400-728746/1003	VOCs	Dichlorodifluoromethane	**156**	NA	41-146

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
P56-ROX-101725-EB	SVOCs	Bis(2-ethylhexyl) phthalate	4.2 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P56-ROX-101725	SVOCs	Bis(2-ethylhexyl) phthalate	-	U

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-727411/1-A	SVOCs	Phenol	1.15 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			

Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Method 8260D (VOCs) The continuing calibration verifications (CCVs) for methylene chloride was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. **Sample ID** / **Parameter** / **Analyte** / **Qualification** P59-ROX-101725 / VOCs / Methylene Chloride / UJ					
Method 8270E (SVOCs) The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. **Sample ID** / **Parameter** / **Analyte** / **Qualification** P56-ROX-101725 / SVOCs / 2,4,6-Trichlorophenol / UJ P56-ROX-101725 / SVOCs / Dimethyl phthalate / UJ P56-ROX-101725 / SVOCs / Diethyl phthalate / UJ P59-ROX-101725 / SVOCs / 2,4,6-Trichlorophenol / UJ P59-ROX-101725 / SVOCs / Dimethyl phthalate / UJ P59-ROX-101725 / SVOCs / Diethyl phthalate / UJ T12-ROX-101725 / SVOCs / 2,4,6-Trichlorophenol / UJ T12-ROX-101725 / SVOCs / Dimethyl phthalate / UJ T12-ROX-101725 / SVOCs / Diethyl phthalate / UJ					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
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411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/3/2025 9:04:25 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284370-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Job Narrative
400-284370-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/18/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728415 recovered above the upper control limit for Acrolein, Bromomethane and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728415 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-724487 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: TB-ROX-101725-8260-SS (400-284370-1). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: T12-ROX-101725 (400-284370-6). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728746 recovered above the upper control limit for Acrolein, Bromomethane, 2-Butanone (MEK), Chloroethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl acetate and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728746 recovered outside control limits for the following analytes: Bromomethane, 2-Butanone (MEK), Chloroethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: P56-ROX-101725-EB (400-284370-3), P56-ROX-101725 (400-284370-4), P59-ROX-101725 (400-284370-5) and T12-ROX-101725 (400-284370-6). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260D: The following samples were diluted due to the abundance of non-target analytes: P56-ROX-101725 (400-284370-4) and P59-ROX-101725 (400-284370-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728929 recovered outside acceptance

criteria, low biased, for Methylene Chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P59-ROX-101725 (400-284370-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270E_LL_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727411.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-718787 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-727411.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727527 recovered outside acceptance criteria, low biased, for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 4-Chlorophenyl phenyl ether, Diethyl phthalate, Dimethyl phthalate, Hexachlorocyclopentadiene and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727527 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The method blank for preparation batch 400-727411 and analytical batch 400-727651 contained Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The method blank for preparation batch 400-727411 and analytical batch 400-727651 contained Phenol above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727651 recovered outside acceptance criteria, low biased, for Benzyl alcohol and Bis(2-chloroethoxy)methane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727651 recovered above the upper control limit for 2-Methylphenol, 4,6-Dinitro-ortho-cresol and Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-727835 recovered outside acceptance criteria, low biased, for 2-Chlorophenol, Diethyl phthalate, Dimethyl phthalate, 3 & 4 Methylphenol and 2,4,6-Trichlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: Surrogate recovery for the following sample was outside control limits: T12-ROX-101725 (400-284370-6). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728433 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and Benzyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728433 recovered outside acceptance criteria, low biased, for 4,6-Dinitro-ortho-cresol and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Job ID: 400-284370-1 (Continued)

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-727184 was outside method criteria for the following analyte(s): Diethyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284370-1	TB-ROX-101725-8260-SS	Water	10/17/25 00:00	10/18/25 09:42	Illinois
400-284370-2	TB-ROX-101725-8260SIM-SS	Water	10/17/25 00:00	10/18/25 09:42	Illinois
400-284370-3	P56-ROX-101725-EB	Water	10/17/25 08:35	10/18/25 09:42	Illinois
400-284370-4	P56-ROX-101725	Water	10/17/25 10:15	10/18/25 09:42	Illinois
400-284370-5	P59-ROX-101725	Water	10/17/25 11:35	10/18/25 09:42	Illinois
400-284370-6	T12-ROX-101725	Water	10/17/25 13:00	10/18/25 09:42	Illinois

Detection Summary

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101725-8260-SS — Lab Sample ID: 400-284370-1

No Detections.

Client Sample ID: TB-ROX-101725-8260SIM-SS — Lab Sample ID: 400-284370-2

No Detections.

Client Sample ID: P56-ROX-101725-EB — Lab Sample ID: 400-284370-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	4.2	J	10	4.1	ug/L	1		8270E	Total/NA

Client Sample ID: P56-ROX-101725 — Lab Sample ID: 400-284370-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26	J	50	20	ug/L	2		8260D	Total/NA
Benzene	1.3	J	2.0	1.0	ug/L	2		8260D	Total/NA
Carbon disulfide	1.4	J	2.0	1.0	ug/L	2		8260D	Total/NA
Ethylbenzene	130		2.0	1.0	ug/L	2		8260D	Total/NA
Isopropylbenzene	51		2.0	1.1	ug/L	2		8260D	Total/NA
4-Methyl-2-pentanone (MIBK)	7.9	J	50	3.6	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	180		10	6.0	ug/L	2		8260D	Total/NA
Naphthalene	15		10	6.0	ug/L	2		8260D	Total/NA
n-Butylbenzene	3.7		2.0	1.5	ug/L	2		8260D	Total/NA
N-Propylbenzene	60		2.0	1.4	ug/L	2		8260D	Total/NA
o-Xylene	8.8	J	10	6.0	ug/L	2		8260D	Total/NA
p-Isopropyltoluene	2.8		2.0	1.4	ug/L	2		8260D	Total/NA
sec-Butylbenzene	4.6		2.0	1.4	ug/L	2		8260D	Total/NA
Toluene	2.4		2.0	1.8	ug/L	2		8260D	Total/NA
1,2,4-Trimethylbenzene	82		2.0	1.6	ug/L	2		8260D	Total/NA
1,3,5-Trimethylbenzene	32		2.0	1.1	ug/L	2		8260D	Total/NA
Xylenes, Total	190		20	12	ug/L	2		8260D	Total/NA
Acenaphthene	1.2		0.20	0.086	ug/L	1		8270E	Total/NA
Acenaphthylene	0.12	J	0.20	0.048	ug/L	1		8270E	Total/NA
Anthracene	0.13	J	0.20	0.074	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	10 4.8	J U	10	4.1	ug/L	1		8270E	Total/NA
Fluorene	0.72		0.20	0.088	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	22		0.20	0.067	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	13		0.20	0.078	ug/L	1		8270E	Total/NA
Dibenzofuran	0.90	J	10	0.65	ug/L	1		8270E	Total/NA
Phenanthrene	1.4		0.20	0.045	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	0.40	J	10	0.24	ug/L	1		8270E	Total/NA

Client Sample ID: P59-ROX-101725 — Lab Sample ID: 400-284370-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	570		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	190		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	27		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	350		50	30	ug/L	10		8260D	Total/NA
Naphthalene	36	J	50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	48		10	6.9	ug/L	10		8260D	Total/NA
Toluene	83		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	97		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	38		10	5.6	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P59-ROX-101725 (Continued) — Lab Sample ID: 400-284370-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	350		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.25		0.20	0.085	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	5.7	J	10	4.0	ug/L	1		8270E	Total/NA
Chrysene	0.085	J	0.20	0.039	ug/L	1		8270E	Total/NA
Fluoranthene	0.088	J	0.20	0.032	ug/L	1		8270E	Total/NA
Fluorene	0.17	J	0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	8.4		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	14		0.20	0.077	ug/L	1		8270E	Total/NA
Phenanthrene	0.25		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.22		0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	1.8	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	0.81	J	10	0.44	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	17	J	20	4.6	ug/L	1		8270E	Total/NA
Phenol	6.0	J B	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: T12-ROX-101725 — Lab Sample ID: 400-284370-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1400		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	23		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	29		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	160		50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	58		10	6.9	ug/L	10		8260D	Total/NA
Toluene	31		10	9.0	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	14		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	170		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.41		0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthylene	0.050	J	0.20	0.047	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	5.2	J	9.9	4.0	ug/L	1		8270E	Total/NA
Fluorene	0.24		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	19		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	32		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.52		0.20	0.044	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	1.1	J J	9.9	0.24	ug/L	1		8270E	Total/NA
Phenol	34	B J	9.9	0.68	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol - RERA	1.5	J H I	9.9	0.24	ug/L	1		8270E	Total/NA
Indene - RERA	0.49	J H	9.9	0.44	ug/L	1		8270E	Total/NA
Phenol - RERA	39	H	9.9	0.67	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: TB-ROX-101725-8260-SS
Date Collected: 10/17/25 00:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 16:49	1
Acrolein	ND		20	3.3	ug/L			10/28/25 16:49	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 16:49	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 16:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 16:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 16:49	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/28/25 16:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 16:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 16:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 16:49	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/28/25 16:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 16:49	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 16:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 16:49	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 16:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 16:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 16:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 16:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 16:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 16:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 16:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 16:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 16:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 16:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 16:49	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 16:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 16:49	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 16:49	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 16:49	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 16:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:49	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 16:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 16:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 16:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 16:49	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 16:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 16:49	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: TB-ROX-101725-8260-SS
Date Collected: 10/17/25 00:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 16:49	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 16:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 16:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 16:49	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 16:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 16:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 16:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 16:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 16:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 16:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 16:49	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 16:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 16:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 16:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 16:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 16:49	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 16:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 16:49	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/28/25 16:49*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 16:49*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*10/28/25 16:49*	*1*

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101725-8260SIM-SS
Lab Sample ID: 400-284370-2
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/29/25 09:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/29/25 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/29/25 09:02*	*1*
Toluene-d8 (Surr)	*91*		*50 - 150*		*10/29/25 09:02*	*1*
4-Bromofluorobenzene	*84*		*50 - 150*		*10/29/25 09:02*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: P56-ROX-101725-EB

Date Collected: 10/17/25 08:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 16:26	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/28/25 16:26*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*		*10/28/25 16:26*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/28/25 16:26*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/30/25 18:52	1
Acrolein	ND		20	3.3	ug/L			10/30/25 18:52	1
Acrylonitrile	ND		10	2.8	ug/L			10/30/25 18:52	1
Benzene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Bromobenzene	ND		1.0	0.54	ug/L			10/30/25 18:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/30/25 18:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Bromoform	ND		5.0	0.25	ug/L			10/30/25 18:52	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/30/25 18:52	1
2-Butanone (MEK)	ND	*+	25	2.6	ug/L			10/30/25 18:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/30/25 18:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/30/25 18:52	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/30/25 18:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/30/25 18:52	1
Chloroform	ND		1.0	0.90	ug/L			10/30/25 18:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/30/25 18:52	1
Chloromethane	ND		1.0	0.40	ug/L			10/30/25 18:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/30/25 18:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/30/25 18:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/30/25 18:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/30/25 18:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/30/25 18:52	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			10/30/25 18:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/30/25 18:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/30/25 18:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/30/25 18:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/30/25 18:52	1
2-Hexanone	ND		25	4.3	ug/L			10/30/25 18:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/30/25 18:52	1
Methylene bromide	ND		5.0	0.22	ug/L			10/30/25 18:52	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/30/25 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/30/25 18:52	1

Client Sample ID: P56-ROX-101725-EB
Date Collected: 10/17/25 08:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/30/25 18:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 18:52	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 18:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/30/25 18:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/30/25 18:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/30/25 18:52	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 18:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/30/25 18:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/30/25 18:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/30/25 18:52	1
Styrene	ND		1.0	1.0	ug/L			10/30/25 18:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/30/25 18:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/30/25 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/30/25 18:52	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 18:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 18:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/30/25 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/30/25 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/30/25 18:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/30/25 18:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/30/25 18:52	1
Trichloroethene	ND		1.0	0.15	ug/L			10/30/25 18:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/30/25 18:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/30/25 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/30/25 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/30/25 18:52	1
Vinyl acetate	ND		25	0.93	ug/L			10/30/25 18:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/30/25 18:52	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/30/25 18:52*	*1*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 18:52*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 18:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/20/25 11:41	10/23/25 16:34	1
Aniline	ND		10	0.75	ug/L		10/20/25 11:41	10/23/25 16:34	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzenethiol	ND		10	0.61	ug/L		10/20/25 11:41	10/23/25 16:34	1
Anthracene	ND		0.20	0.074	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzoic acid	ND		100	81	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzyl alcohol	ND		35	30	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/20/25 11:41	10/23/25 16:34	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/20/25 11:41	10/23/25 16:34	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/20/25 11:41	10/23/25 16:34	1

Client Sample ID: P56-ROX-101725-EB
Date Collected: 10/17/25 08:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/20/25 11:41	10/23/25 16:34	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/20/25 11:41	10/23/25 16:34	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/20/25 11:41	10/23/25 16:34	1
Bis(2-ethylhexyl) phthalate	**4.2**	**J**	10	4.1	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/20/25 11:41	10/23/25 16:34	1
Chrysene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 16:34	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 16:34	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Chloroaniline	ND		10	0.59	ug/L		10/20/25 11:41	10/23/25 16:34	1
Fluoranthene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/20/25 11:41	10/23/25 16:34	1
Fluorene	ND		0.20	0.088	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Chlorophenol	ND		10	0.85	ug/L		10/20/25 11:41	10/23/25 16:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 16:34	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		10/20/25 11:41	10/23/25 16:34	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/20/25 11:41	10/23/25 16:34	1
Dibenzofuran	ND		10	0.65	ug/L		10/20/25 11:41	10/23/25 16:34	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/20/25 11:41	10/23/25 16:34	1
Phenanthrene	ND		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/20/25 11:41	10/23/25 16:34	1
Pyrene	ND		0.20	0.096	ug/L		10/20/25 11:41	10/23/25 16:34	1
Diethyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/20/25 11:41	10/23/25 16:34	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 16:34	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/20/25 11:41	10/23/25 16:34	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/20/25 11:41	10/23/25 16:34	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 16:34	1
1,4-Dioxane	ND		10	4.4	ug/L		10/20/25 11:41	10/23/25 16:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/20/25 11:41	10/23/25 16:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/20/25 11:41	10/23/25 16:34	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/20/25 11:41	10/23/25 16:34	1
Hexachloroethane	ND		10	0.54	ug/L		10/20/25 11:41	10/23/25 16:34	1
Indene	ND		10	0.45	ug/L		10/20/25 11:41	10/23/25 16:34	1
Isophorone	ND		10	0.81	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Methylphenol	ND		10	0.77	ug/L		10/20/25 11:41	10/23/25 16:34	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Nitroaniline	ND		10	1.4	ug/L		10/20/25 11:41	10/23/25 16:34	1
3-Nitroaniline	ND		10	0.96	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Nitroaniline	ND		10	3.5	ug/L		10/20/25 11:41	10/23/25 16:34	1
Nitrobenzene	ND		10	0.61	ug/L		10/20/25 11:41	10/23/25 16:34	1
2-Nitrophenol	ND		10	1.2	ug/L		10/20/25 11:41	10/23/25 16:34	1
4-Nitrophenol	ND		10	2.8	ug/L		10/20/25 11:41	10/23/25 16:34	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/20/25 11:41	10/23/25 16:34	1

Client Sample ID: P56-ROX-101725-EB
Lab Sample ID: 400-284370-3
Date Collected: 10/17/25 08:35
Matrix: Water
Date Received: 10/18/25 09:42

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/20/25 11:41	10/23/25 16:34	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/20/25 11:41	10/23/25 16:34	1
Pentachlorophenol	ND		10	2.8	ug/L		10/20/25 11:41	10/23/25 16:34	1
Phenol	ND		10	0.69	ug/L		10/20/25 11:41	10/23/25 16:34	1
Pyridine	ND		10	3.0	ug/L		10/20/25 11:41	10/23/25 16:34	1
Quinoline	ND		10	0.51	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/20/25 11:41	10/23/25 16:34	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/20/25 11:41	10/23/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Terphenyl-d14	*100*		*43 - 147*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2-Fluorobiphenyl	*75*		*25 - 139*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2-Fluorophenol	*90*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Nitrobenzene-d5	*80*		*22 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Phenol-d5	*81*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
Terphenyl-d14	*100*		*28 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*
2,4,6-Tribromophenol	*84*		*10 - 150*	*10/20/25 11:41*	*10/23/25 16:34*	*1*

Client Sample ID: P56-ROX-101725
Date Collected: 10/17/25 10:15
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/29/25 09:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/29/25 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/29/25 09:25*	*1*
Toluene-d8 (Surr)	*93*		*50 - 150*		*10/29/25 09:25*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/29/25 09:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**26**	**J**	50	20	ug/L			10/30/25 19:17	2
Acrolein	ND		40	6.6	ug/L			10/30/25 19:17	2
Acrylonitrile	ND		20	5.6	ug/L			10/30/25 19:17	2
Benzene	**1.3**	**J**	2.0	1.0	ug/L			10/30/25 19:17	2
Bromobenzene	ND		2.0	1.1	ug/L			10/30/25 19:17	2
Bromochloromethane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
Bromodichloromethane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
Bromoform	ND		10	0.50	ug/L			10/30/25 19:17	2
Bromomethane	ND	*+	2.0	2.0	ug/L			10/30/25 19:17	2
2-Butanone (MEK)	ND	*+	50	5.2	ug/L			10/30/25 19:17	2
Carbon disulfide	**1.4**	**J**	2.0	1.0	ug/L			10/30/25 19:17	2
Carbon tetrachloride	ND		2.0	0.38	ug/L			10/30/25 19:17	2
Chlorobenzene	ND		2.0	0.84	ug/L			10/30/25 19:17	2
Chloroethane	ND	*+	2.0	1.5	ug/L			10/30/25 19:17	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			10/30/25 19:17	2
Chloroform	ND		2.0	1.8	ug/L			10/30/25 19:17	2
1-Chlorohexane	ND		2.0	0.64	ug/L			10/30/25 19:17	2
Chloromethane	ND		2.0	0.80	ug/L			10/30/25 19:17	2
cis-1,2-Dichloroethene	ND		2.0	0.40	ug/L			10/30/25 19:17	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			10/30/25 19:17	2
Dibromochloromethane	ND		2.0	0.48	ug/L			10/30/25 19:17	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			10/30/25 19:17	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			10/30/25 19:17	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			10/30/25 19:17	2
Dichlorodifluoromethane	ND	*+	2.0	1.7	ug/L			10/30/25 19:17	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
1,2-Dichloroethane	ND		2.0	1.1	ug/L			10/30/25 19:17	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			10/30/25 19:17	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
1,1-Dichloropropene	ND		2.0	0.18	ug/L			10/30/25 19:17	2
Ethylbenzene	**130**		2.0	1.0	ug/L			10/30/25 19:17	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			10/30/25 19:17	2
Hexachlorobutadiene	ND		10	1.8	ug/L			10/30/25 19:17	2
2-Hexanone	ND		50	8.5	ug/L			10/30/25 19:17	2
Isopropylbenzene	**51**		2.0	1.1	ug/L			10/30/25 19:17	2
Methylene bromide	ND		10	0.44	ug/L			10/30/25 19:17	2
Methylene Chloride	ND		10	8.0	ug/L			10/30/25 19:17	2
4-Methyl-2-pentanone (MIBK)	**7.9**	**J**	50	3.6	ug/L			10/30/25 19:17	2

Client Sample ID: P56-ROX-101725
Date Collected: 10/17/25 10:15
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			10/30/25 19:17	2
m-Xylene & p-Xylene	**180**		10	6.0	ug/L			10/30/25 19:17	2
Naphthalene	**15**		10	6.0	ug/L			10/30/25 19:17	2
n-Butylbenzene	**3.7**		2.0	1.5	ug/L			10/30/25 19:17	2
N-Propylbenzene	**60**		2.0	1.4	ug/L			10/30/25 19:17	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			10/30/25 19:17	2
o-Xylene	**8.8**	**J**	10	6.0	ug/L			10/30/25 19:17	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			10/30/25 19:17	2
p-Isopropyltoluene	**2.8**		2.0	1.4	ug/L			10/30/25 19:17	2
sec-Butylbenzene	**4.6**		2.0	1.4	ug/L			10/30/25 19:17	2
Styrene	ND		2.0	2.0	ug/L			10/30/25 19:17	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			10/30/25 19:17	2
1,1,1,2-Tetrachloroethane	ND		2.0	0.76	ug/L			10/30/25 19:17	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			10/30/25 19:17	2
Tetrachloroethene	ND		2.0	0.66	ug/L			10/30/25 19:17	2
Toluene	**2.4**		2.0	1.8	ug/L			10/30/25 19:17	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			10/30/25 19:17	2
trans-1,3-Dichloropropene	ND		10	0.40	ug/L			10/30/25 19:17	2
1,2,3-Trichlorobenzene	ND		2.0	1.8	ug/L			10/30/25 19:17	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			10/30/25 19:17	2
1,1,1-Trichloroethane	ND		2.0	0.36	ug/L			10/30/25 19:17	2
1,1,2-Trichloroethane	ND		10	0.42	ug/L			10/30/25 19:17	2
Trichloroethene	ND		2.0	0.30	ug/L			10/30/25 19:17	2
Trichlorofluoromethane	ND		2.0	0.50	ug/L			10/30/25 19:17	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			10/30/25 19:17	2
1,2,4-Trimethylbenzene	**82**		2.0	1.6	ug/L			10/30/25 19:17	2
1,3,5-Trimethylbenzene	**32**		2.0	1.1	ug/L			10/30/25 19:17	2
Vinyl acetate	ND		50	1.9	ug/L			10/30/25 19:17	2
Vinyl chloride	ND		2.0	1.0	ug/L			10/30/25 19:17	2
Xylenes, Total	**190**		20	12	ug/L			10/30/25 19:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/30/25 19:17*	*2*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 19:17*	*2*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 19:17*	*2*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.2**		0.20	0.086	ug/L		10/20/25 11:41	10/23/25 17:04	1
Aniline	ND		10	0.75	ug/L		10/20/25 11:41	10/23/25 17:04	1
Acenaphthylene	**0.12**	**J**	0.20	0.048	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzenethiol	ND		10	0.61	ug/L		10/20/25 11:41	10/23/25 17:04	1
Anthracene	**0.13**	**J**	0.20	0.074	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzoic acid	ND		100	81	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzyl alcohol	ND		35	30	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/20/25 11:41	10/23/25 17:04	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/20/25 11:41	10/23/25 17:04	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/20/25 11:41	10/23/25 17:04	1

Client Sample ID: P56-ROX-101725
Date Collected: 10/17/25 10:15
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/20/25 11:41	10/23/25 17:04	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/20/25 11:41	10/23/25 17:04	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/20/25 11:41	10/23/25 17:04	1
Bis(2-ethylhexyl) phthalate	10~~4.8~~	~~J~~ U	10	4.1	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/20/25 11:41	10/23/25 17:04	1
Chrysene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 17:04	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 17:04	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Chloroaniline	ND		10	0.59	ug/L		10/20/25 11:41	10/23/25 17:04	1
Fluoranthene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/20/25 11:41	10/23/25 17:04	1
Fluorene	**0.72**		0.20	0.088	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Chlorophenol	ND		10	0.85	ug/L		10/20/25 11:41	10/23/25 17:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 17:04	1
1-Methylnaphthalene	**22**		0.20	0.067	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Methylnaphthalene	**13**		0.20	0.078	ug/L		10/20/25 11:41	10/23/25 17:04	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/20/25 11:41	10/23/25 17:04	1
Dibenzofuran	**0.90**	**J**	10	0.65	ug/L		10/20/25 11:41	10/23/25 17:04	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/20/25 11:41	10/23/25 17:04	1
Phenanthrene	**1.4**		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/20/25 11:41	10/23/25 17:04	1
Pyrene	ND		0.20	0.096	ug/L		10/20/25 11:41	10/23/25 17:04	1
Diethyl phthalate	ND	UJ	10	4.1	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4-Dimethylphenol	**0.40**	**J**	10	0.24	ug/L		10/20/25 11:41	10/23/25 17:04	1
Dimethyl phthalate	ND	UJ	10	4.1	ug/L		10/20/25 11:41	10/23/25 17:04	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/20/25 11:41	10/23/25 17:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/20/25 11:41	10/23/25 17:04	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/20/25 11:41	10/23/25 17:04	1
1,4-Dioxane	ND		10	4.4	ug/L		10/20/25 11:41	10/23/25 17:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/20/25 11:41	10/23/25 17:04	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/20/25 11:41	10/23/25 17:04	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/20/25 11:41	10/23/25 17:04	1
Hexachloroethane	ND		10	0.54	ug/L		10/20/25 11:41	10/23/25 17:04	1
Indene	ND		10	0.45	ug/L		10/20/25 11:41	10/23/25 17:04	1
Isophorone	ND		10	0.81	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Methylphenol	ND		10	0.77	ug/L		10/20/25 11:41	10/23/25 17:04	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Nitroaniline	ND		10	1.4	ug/L		10/20/25 11:41	10/23/25 17:04	1
3-Nitroaniline	ND		10	0.96	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Nitroaniline	ND		10	3.5	ug/L		10/20/25 11:41	10/23/25 17:04	1
Nitrobenzene	ND		10	0.61	ug/L		10/20/25 11:41	10/23/25 17:04	1
2-Nitrophenol	ND		10	1.2	ug/L		10/20/25 11:41	10/23/25 17:04	1
4-Nitrophenol	ND		10	2.8	ug/L		10/20/25 11:41	10/23/25 17:04	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/20/25 11:41	10/23/25 17:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: P56-ROX-101725
Date Collected: 10/17/25 10:15
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/20/25 11:41	10/23/25 17:04	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/20/25 11:41	10/23/25 17:04	1
Pentachlorophenol	ND		10	2.8	ug/L		10/20/25 11:41	10/23/25 17:04	1
Phenol	ND		10	0.69	ug/L		10/20/25 11:41	10/23/25 17:04	1
Pyridine	ND		10	3.0	ug/L		10/20/25 11:41	10/23/25 17:04	1
Quinoline	ND		10	0.51	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/20/25 11:41	10/23/25 17:04	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		10/20/25 11:41	10/23/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Terphenyl-d14	*59*		*43 - 147*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2-Fluorophenol	*98*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Phenol-d5	*91*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
Terphenyl-d14	*59*		*28 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:04*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: P59-ROX-101725

Date Collected: 10/17/25 11:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/29/25 09:49	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/29/25 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*108*		*50 - 150*		*10/29/25 09:49*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/29/25 09:49*	*1*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/29/25 09:49*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			10/30/25 19:42	10
Acrolein	ND		200	33	ug/L			10/30/25 19:42	10
Acrylonitrile	ND		100	28	ug/L			10/30/25 19:42	10
Benzene	**570**		10	5.0	ug/L			10/30/25 19:42	10
Bromobenzene	ND		10	5.4	ug/L			10/30/25 19:42	10
Bromochloromethane	ND		10	5.2	ug/L			10/30/25 19:42	10
Bromodichloromethane	ND		10	5.0	ug/L			10/30/25 19:42	10
Bromoform	ND		50	2.5	ug/L			10/30/25 19:42	10
Bromomethane	ND	*+	10	9.8	ug/L			10/30/25 19:42	10
2-Butanone (MEK)	ND	*+	250	26	ug/L			10/30/25 19:42	10
Carbon disulfide	ND		10	5.0	ug/L			10/30/25 19:42	10
Carbon tetrachloride	ND		10	1.9	ug/L			10/30/25 19:42	10
Chlorobenzene	ND		10	4.2	ug/L			10/30/25 19:42	10
Chloroethane	ND	*+	10	7.6	ug/L			10/30/25 19:42	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			10/30/25 19:42	10
Chloroform	ND		10	9.0	ug/L			10/30/25 19:42	10
1-Chlorohexane	ND		10	3.2	ug/L			10/30/25 19:42	10
Chloromethane	ND		10	4.0	ug/L			10/30/25 19:42	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			10/30/25 19:42	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			10/30/25 19:42	10
Dibromochloromethane	ND		10	2.4	ug/L			10/30/25 19:42	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			10/30/25 19:42	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			10/30/25 19:42	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			10/30/25 19:42	10
Dichlorodifluoromethane	ND	*+	10	8.5	ug/L			10/30/25 19:42	10
1,1-Dichloroethane	ND		10	5.0	ug/L			10/30/25 19:42	10
1,2-Dichloroethane	ND		10	5.5	ug/L			10/30/25 19:42	10
1,1-Dichloroethene	ND		10	5.0	ug/L			10/30/25 19:42	10
1,2-Dichloropropane	ND		10	5.0	ug/L			10/30/25 19:42	10
1,3-Dichloropropane	ND		10	5.0	ug/L			10/30/25 19:42	10
2,2-Dichloropropane	ND		10	5.0	ug/L			10/30/25 19:42	10
1,1-Dichloropropene	ND		10	0.90	ug/L			10/30/25 19:42	10
Ethylbenzene	**190**		10	5.0	ug/L			10/30/25 19:42	10
Ethyl methacrylate	ND		10	6.0	ug/L			10/30/25 19:42	10
Hexachlorobutadiene	ND		50	9.0	ug/L			10/30/25 19:42	10
2-Hexanone	ND		250	43	ug/L			10/30/25 19:42	10
Isopropylbenzene	**27**		10	5.3	ug/L			10/30/25 19:42	10
Methylene bromide	ND		50	2.2	ug/L			10/30/25 19:42	10
Methylene Chloride	ND	UJ	50	40	ug/L			10/31/25 15:28	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			10/30/25 19:42	10

Client Sample ID: P59-ROX-101725
Date Collected: 10/17/25 11:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			10/30/25 19:42	10
m-Xylene & p-Xylene	**350**		50	30	ug/L			10/30/25 19:42	10
Naphthalene	**36**	**J**	50	30	ug/L			10/30/25 19:42	10
n-Butylbenzene	ND		10	7.6	ug/L			10/30/25 19:42	10
N-Propylbenzene	**48**		10	6.9	ug/L			10/30/25 19:42	10
o-Chlorotoluene	ND		10	5.7	ug/L			10/30/25 19:42	10
o-Xylene	ND		50	30	ug/L			10/30/25 19:42	10
p-Chlorotoluene	ND		10	5.6	ug/L			10/30/25 19:42	10
p-Isopropyltoluene	ND		10	7.1	ug/L			10/30/25 19:42	10
sec-Butylbenzene	ND		10	7.0	ug/L			10/30/25 19:42	10
Styrene	ND		10	10	ug/L			10/30/25 19:42	10
tert-Butylbenzene	ND		10	6.3	ug/L			10/30/25 19:42	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			10/30/25 19:42	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			10/30/25 19:42	10
Tetrachloroethene	ND		10	3.3	ug/L			10/30/25 19:42	10
Toluene	**83**		10	9.0	ug/L			10/30/25 19:42	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			10/30/25 19:42	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			10/30/25 19:42	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			10/30/25 19:42	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			10/30/25 19:42	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			10/30/25 19:42	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			10/30/25 19:42	10
Trichloroethene	ND		10	1.5	ug/L			10/30/25 19:42	10
Trichlorofluoromethane	ND		10	2.5	ug/L			10/30/25 19:42	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			10/30/25 19:42	10
1,2,4-Trimethylbenzene	**97**		10	8.2	ug/L			10/30/25 19:42	10
1,3,5-Trimethylbenzene	**38**		10	5.6	ug/L			10/30/25 19:42	10
Vinyl acetate	ND		250	9.3	ug/L			10/30/25 19:42	10
Vinyl chloride	ND		10	5.0	ug/L			10/30/25 19:42	10
Xylenes, Total	**350**		100	60	ug/L			10/30/25 19:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*10/31/25 15:28*	*10*
Dibromofluoromethane	*94*		*79 - 130*		*10/31/25 15:28*	*10*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/31/25 15:28*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.25**		0.20	0.085	ug/L		10/20/25 11:41	10/23/25 17:34	1
Aniline	ND		10	0.74	ug/L		10/20/25 11:41	10/23/25 17:34	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzenethiol	ND		10	0.60	ug/L		10/20/25 11:41	10/23/25 17:34	1
Anthracene	ND		0.20	0.073	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzoic acid	ND		100	80	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzyl alcohol	ND		35	30	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 17:34	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/20/25 11:41	10/23/25 17:34	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/20/25 11:41	10/23/25 17:34	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: P59-ROX-101725
Date Collected: 10/17/25 11:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/20/25 11:41	10/23/25 17:34	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/20/25 11:41	10/23/25 17:34	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 17:34	1
Bis(2-ethylhexyl) phthalate	**5.7**	**J**	10	4.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/20/25 11:41	10/23/25 17:34	1
Chrysene	**0.085**	**J**	0.20	0.039	ug/L		10/20/25 11:41	10/23/25 17:34	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Chloroaniline	ND		10	0.58	ug/L		10/20/25 11:41	10/23/25 17:34	1
Fluoranthene	**0.088**	**J**	0.20	0.032	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/20/25 11:41	10/23/25 17:34	1
Fluorene	**0.17**	**J**	0.20	0.087	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Chlorophenol	ND		10	0.84	ug/L		10/20/25 11:41	10/23/25 17:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 17:34	1
1-Methylnaphthalene	**8.4**		0.20	0.066	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Methylnaphthalene	**14**		0.20	0.077	ug/L		10/20/25 11:41	10/23/25 17:34	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/20/25 11:41	10/23/25 17:34	1
Dibenzofuran	ND		10	0.64	ug/L		10/20/25 11:41	10/23/25 17:34	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/20/25 11:41	10/23/25 17:34	1
Phenanthrene	**0.25**		0.20	0.044	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/20/25 11:41	10/23/25 17:34	1
Pyrene	**0.22**		0.20	0.095	ug/L		10/20/25 11:41	10/23/25 17:34	1
Diethyl phthalate	ND	UJ	10	4.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4-Dimethylphenol	**1.8**	**J**	10	0.24	ug/L		10/20/25 11:41	10/23/25 17:34	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/20/25 11:41	10/23/25 17:34	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/20/25 11:41	10/23/25 17:34	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
1,4-Dioxane	ND		10	4.3	ug/L		10/20/25 11:41	10/23/25 17:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/20/25 11:41	10/23/25 17:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/20/25 11:41	10/23/25 17:34	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/20/25 11:41	10/23/25 17:34	1
Hexachloroethane	ND		10	0.53	ug/L		10/20/25 11:41	10/23/25 17:34	1
Indene	**0.81**	**J**	10	0.44	ug/L		10/20/25 11:41	10/23/25 17:34	1
Isophorone	ND		10	0.80	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Methylphenol	ND		10	0.76	ug/L		10/20/25 11:41	10/23/25 17:34	1
3 & 4 Methylphenol	**17**	**J**	20	4.6	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Nitroaniline	ND		10	1.4	ug/L		10/20/25 11:41	10/23/25 17:34	1
3-Nitroaniline	ND		10	0.95	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Nitroaniline	ND		10	3.5	ug/L		10/20/25 11:41	10/23/25 17:34	1
Nitrobenzene	ND		10	0.60	ug/L		10/20/25 11:41	10/23/25 17:34	1
2-Nitrophenol	ND		10	1.2	ug/L		10/20/25 11:41	10/23/25 17:34	1
4-Nitrophenol	ND		10	2.7	ug/L		10/20/25 11:41	10/23/25 17:34	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/20/25 11:41	10/23/25 17:34	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: P59-ROX-101725
Date Collected: 10/17/25 11:35
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/20/25 11:41	10/23/25 17:34	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/20/25 11:41	10/23/25 17:34	1
Pentachlorophenol	ND		10	2.8	ug/L		10/20/25 11:41	10/23/25 17:34	1
Phenol	**6.0**	**J B**	10	0.68	ug/L		10/20/25 11:41	10/23/25 17:34	1
Pyridine	ND		10	3.0	ug/L		10/20/25 11:41	10/23/25 17:34	1
Quinoline	ND		10	0.50	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/20/25 11:41	10/23/25 17:34	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		10/20/25 11:41	10/23/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*15 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Terphenyl-d14	*54*		*43 - 147*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2-Fluorobiphenyl	*74*		*25 - 139*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2-Fluorophenol	*98*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Phenol-d5	*91*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
Terphenyl-d14	*54*		*28 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*10/20/25 11:41*	*10/23/25 17:34*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: T12-ROX-101725

Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/29/25 10:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/29/25 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*50 - 150*		*10/29/25 10:12*	*1*
Toluene-d8 (Surr)	*91*		*50 - 150*		*10/29/25 10:12*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/29/25 10:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			10/30/25 20:07	10
Acrolein	ND		200	33	ug/L			10/30/25 20:07	10
Acrylonitrile	ND		100	28	ug/L			10/30/25 20:07	10
Benzene	**1400**		10	5.0	ug/L			10/30/25 20:07	10
Bromobenzene	ND		10	5.4	ug/L			10/30/25 20:07	10
Bromochloromethane	ND		10	5.2	ug/L			10/30/25 20:07	10
Bromodichloromethane	ND		10	5.0	ug/L			10/30/25 20:07	10
Bromoform	ND		50	2.5	ug/L			10/30/25 20:07	10
Bromomethane	ND	*+	10	9.8	ug/L			10/30/25 20:07	10
2-Butanone (MEK)	ND	*+	250	26	ug/L			10/30/25 20:07	10
Carbon disulfide	ND		10	5.0	ug/L			10/30/25 20:07	10
Carbon tetrachloride	ND		10	1.9	ug/L			10/30/25 20:07	10
Chlorobenzene	ND		10	4.2	ug/L			10/30/25 20:07	10
Chloroethane	ND	*+	10	7.6	ug/L			10/30/25 20:07	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			10/30/25 20:07	10
Chloroform	ND		10	9.0	ug/L			10/30/25 20:07	10
1-Chlorohexane	ND		10	3.2	ug/L			10/30/25 20:07	10
Chloromethane	ND		10	4.0	ug/L			10/30/25 20:07	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			10/30/25 20:07	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			10/30/25 20:07	10
Dibromochloromethane	ND		10	2.4	ug/L			10/30/25 20:07	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			10/30/25 20:07	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			10/30/25 20:07	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			10/30/25 20:07	10
Dichlorodifluoromethane	ND	*+	10	8.5	ug/L			10/30/25 20:07	10
1,1-Dichloroethane	ND		10	5.0	ug/L			10/30/25 20:07	10
1,2-Dichloroethane	ND		10	5.5	ug/L			10/30/25 20:07	10
1,1-Dichloroethene	ND		10	5.0	ug/L			10/30/25 20:07	10
1,2-Dichloropropane	ND		10	5.0	ug/L			10/30/25 20:07	10
1,3-Dichloropropane	ND		10	5.0	ug/L			10/30/25 20:07	10
2,2-Dichloropropane	ND		10	5.0	ug/L			10/30/25 20:07	10
1,1-Dichloropropene	ND		10	0.90	ug/L			10/30/25 20:07	10
Ethylbenzene	**23**		10	5.0	ug/L			10/30/25 20:07	10
Ethyl methacrylate	ND		10	6.0	ug/L			10/30/25 20:07	10
Hexachlorobutadiene	ND		50	9.0	ug/L			10/30/25 20:07	10
2-Hexanone	ND		250	43	ug/L			10/30/25 20:07	10
Isopropylbenzene	**29**		10	5.3	ug/L			10/30/25 20:07	10
Methylene bromide	ND		50	2.2	ug/L			10/30/25 20:07	10
Methylene Chloride	ND		50	40	ug/L			10/30/25 20:07	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			10/30/25 20:07	10

Client Sample ID: T12-ROX-101725
Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			10/30/25 20:07	10
m-Xylene & p-Xylene	**160**		50	30	ug/L			10/30/25 20:07	10
Naphthalene	ND		50	30	ug/L			10/30/25 20:07	10
n-Butylbenzene	ND		10	7.6	ug/L			10/30/25 20:07	10
N-Propylbenzene	**58**		10	6.9	ug/L			10/30/25 20:07	10
o-Chlorotoluene	ND		10	5.7	ug/L			10/30/25 20:07	10
o-Xylene	ND		50	30	ug/L			10/30/25 20:07	10
p-Chlorotoluene	ND		10	5.6	ug/L			10/30/25 20:07	10
p-Isopropyltoluene	ND		10	7.1	ug/L			10/30/25 20:07	10
sec-Butylbenzene	ND		10	7.0	ug/L			10/30/25 20:07	10
Styrene	ND		10	10	ug/L			10/30/25 20:07	10
tert-Butylbenzene	ND		10	6.3	ug/L			10/30/25 20:07	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			10/30/25 20:07	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			10/30/25 20:07	10
Tetrachloroethene	ND		10	3.3	ug/L			10/30/25 20:07	10
Toluene	**31**		10	9.0	ug/L			10/30/25 20:07	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			10/30/25 20:07	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			10/30/25 20:07	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			10/30/25 20:07	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			10/30/25 20:07	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			10/30/25 20:07	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			10/30/25 20:07	10
Trichloroethene	ND		10	1.5	ug/L			10/30/25 20:07	10
Trichlorofluoromethane	ND		10	2.5	ug/L			10/30/25 20:07	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			10/30/25 20:07	10
1,2,4-Trimethylbenzene	ND		10	8.2	ug/L			10/30/25 20:07	10
1,3,5-Trimethylbenzene	**14**		10	5.6	ug/L			10/30/25 20:07	10
Vinyl acetate	ND		250	9.3	ug/L			10/30/25 20:07	10
Vinyl chloride	ND		10	5.0	ug/L			10/30/25 20:07	10
Xylenes, Total	**170**		100	60	ug/L			10/30/25 20:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*10/30/25 20:07*	*10*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 20:07*	*10*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/30/25 20:07*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.41**		0.20	0.084	ug/L		10/20/25 11:41	10/23/25 18:05	1
Aniline	ND		9.9	0.74	ug/L		10/20/25 11:41	10/23/25 18:05	1
Acenaphthylene	**0.050**	**J**	0.20	0.047	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzenethiol	ND		9.9	0.60	ug/L		10/20/25 11:41	10/23/25 18:05	1
Anthracene	ND		0.20	0.073	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzoic acid	ND		99	79	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzyl alcohol	ND		35	30	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/20/25 11:41	10/23/25 18:05	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/20/25 11:41	10/23/25 18:05	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		10/20/25 11:41	10/23/25 18:05	1

Client Sample ID: T12-ROX-101725
Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/20/25 11:41	10/23/25 18:05	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		10/20/25 11:41	10/23/25 18:05	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/20/25 11:41	10/23/25 18:05	1
Bis(2-ethylhexyl) phthalate	**5.2**	**J**	9.9	4.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		10/20/25 11:41	10/23/25 18:05	1
Chrysene	ND		0.20	0.039	ug/L		10/20/25 11:41	10/23/25 18:05	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Chloroaniline	ND		9.9	0.58	ug/L		10/20/25 11:41	10/23/25 18:05	1
Fluoranthene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		10/20/25 11:41	10/23/25 18:05	1
Fluorene	**0.24**		0.20	0.086	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Chlorophenol	ND		9.9	0.83	ug/L		10/20/25 11:41	10/23/25 18:05	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/20/25 11:41	10/23/25 18:05	1
1-Methylnaphthalene	**19**		0.20	0.066	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Methylnaphthalene	**32**		0.20	0.076	ug/L		10/20/25 11:41	10/23/25 18:05	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		10/20/25 11:41	10/23/25 18:05	1
Dibenzofuran	ND		9.9	0.64	ug/L		10/20/25 11:41	10/23/25 18:05	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/20/25 11:41	10/23/25 18:05	1
Phenanthrene	**0.52**		0.20	0.044	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		10/20/25 11:41	10/23/25 18:05	1
Pyrene	ND		0.20	0.094	ug/L		10/20/25 11:41	10/23/25 18:05	1
Diethyl phthalate	ND	UJ	9.9	4.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4-Dimethylphenol	**1.1**	**J** J	9.9	0.24	ug/L		10/20/25 11:41	10/23/25 18:05	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		10/20/25 11:41	10/23/25 18:05	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		10/20/25 11:41	10/23/25 18:05	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
1,4-Dioxane	ND		9.9	4.3	ug/L		10/20/25 11:41	10/23/25 18:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		10/20/25 11:41	10/23/25 18:05	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		10/20/25 11:41	10/23/25 18:05	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/20/25 11:41	10/23/25 18:05	1
Hexachloroethane	ND		9.9	0.53	ug/L		10/20/25 11:41	10/23/25 18:05	1
Indene	ND		9.9	0.44	ug/L		10/20/25 11:41	10/23/25 18:05	1
Isophorone	ND		9.9	0.79	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Methylphenol	ND		9.9	0.75	ug/L		10/20/25 11:41	10/23/25 18:05	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Nitroaniline	ND		9.9	1.4	ug/L		10/20/25 11:41	10/23/25 18:05	1
3-Nitroaniline	ND		9.9	0.94	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Nitroaniline	ND		9.9	3.5	ug/L		10/20/25 11:41	10/23/25 18:05	1
Nitrobenzene	ND		9.9	0.60	ug/L		10/20/25 11:41	10/23/25 18:05	1
2-Nitrophenol	ND		9.9	1.2	ug/L		10/20/25 11:41	10/23/25 18:05	1
4-Nitrophenol	ND		9.9	2.7	ug/L		10/20/25 11:41	10/23/25 18:05	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		10/20/25 11:41	10/23/25 18:05	1

Client Sample ID: T12-ROX-101725

Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-6

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		10/20/25 11:41	10/23/25 18:05	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		10/20/25 11:41	10/23/25 18:05	1
Pentachlorophenol	ND		9.9	2.8	ug/L		10/20/25 11:41	10/23/25 18:05	1
Phenol	**34**	**B J**	9.9	0.68	ug/L		10/20/25 11:41	10/23/25 18:05	1
Pyridine	ND		9.9	3.0	ug/L		10/20/25 11:41	10/23/25 18:05	1
Quinoline	ND		9.9	0.50	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		10/20/25 11:41	10/23/25 18:05	1
2,4,6-Trichlorophenol	ND	UJ	9.9	1.1	ug/L		10/20/25 11:41	10/23/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Terphenyl-d14	*94*		*43 - 147*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2-Fluorobiphenyl	*78*		*25 - 139*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2-Fluorophenol	*196*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Phenol-d5	*179*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
Terphenyl-d14	*94*		*28 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*
2,4,6-Tribromophenol	*202*	*S1+*	*10 - 150*	*10/20/25 11:41*	*10/23/25 18:05*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	9.9	0.73	ug/L		10/27/25 12:01	10/28/25 14:42	1
Benzenethiol	ND	H	9.9	0.59	ug/L		10/27/25 12:01	10/28/25 14:42	1
Benzoic acid	ND	H	99	79	ug/L		10/27/25 12:01	10/28/25 14:42	1
Benzyl alcohol	ND	H	35	30	ug/L		10/27/25 12:01	10/28/25 14:42	1
Bis(2-chloroethoxy)methane	ND	H	9.9	0.34	ug/L		10/27/25 12:01	10/28/25 14:42	1
Bis(2-chloroethyl)ether	ND	H	9.9	0.72	ug/L		10/27/25 12:01	10/28/25 14:42	1
bis (2-chloroisopropyl) ether	ND	H	9.9	0.92	ug/L		10/27/25 12:01	10/28/25 14:42	1
Bis(2-ethylhexyl) phthalate	ND	H	9.9	4.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Bromophenyl phenyl ether	ND	H	9.9	0.13	ug/L		10/27/25 12:01	10/28/25 14:42	1
Butyl benzyl phthalate	ND	H	9.9	4.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Chloroaniline	ND	H	9.9	0.57	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Chloro-3-methylphenol	ND	H	9.9	0.72	ug/L		10/27/25 12:01	10/28/25 14:42	1
2-Chloronaphthalene	ND	H	9.9	0.38	ug/L		10/27/25 12:01	10/28/25 14:42	1
2-Chlorophenol	ND	H	9.9	0.83	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Chlorophenyl phenyl ether	ND	H	9.9	0.24	ug/L		10/27/25 12:01	10/28/25 14:42	1
Dibenz[a,h]acridine	ND	H	9.9	0.68	ug/L		10/27/25 12:01	10/28/25 14:42	1
Dibenzofuran	ND	H	9.9	0.63	ug/L		10/27/25 12:01	10/28/25 14:42	1
3,3'-Dichlorobenzidine	ND	H	11	0.41	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4-Dichlorophenol	ND	H	9.9	0.56	ug/L		10/27/25 12:01	10/28/25 14:42	1
Diethyl phthalate	ND	H	9.9	4.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4-Dimethylphenol	**1.5**	**J H I**	9.9	0.24	ug/L		10/27/25 12:01	10/28/25 14:42	1
Dimethyl phthalate	ND	H	9.9	4.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
Di-n-butyl phthalate	ND	H	9.9	8.1	ug/L		10/27/25 12:01	10/28/25 14:42	1
4,6-Dinitro-ortho-cresol	ND	H	9.9	2.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4-Dinitrophenol	ND	H	30	4.6	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4-Dinitrotoluene	ND	H	9.9	0.64	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,6-Dinitrotoluene	ND	H	9.9	0.29	ug/L		10/27/25 12:01	10/28/25 14:42	1
Di-n-octyl phthalate	ND	H	9.9	4.0	ug/L		10/27/25 12:01	10/28/25 14:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Client Sample ID: T12-ROX-101725
Date Collected: 10/17/25 13:00
Date Received: 10/18/25 09:42

Lab Sample ID: 400-284370-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	H	9.9	4.3	ug/L		10/27/25 12:01	10/28/25 14:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.9	0.92	ug/L		10/27/25 12:01	10/28/25 14:42	1
Hexachlorobenzene	ND	H	9.9	0.25	ug/L		10/27/25 12:01	10/28/25 14:42	1
Hexachlorocyclopentadiene	ND	H	20	0.32	ug/L		10/27/25 12:01	10/28/25 14:42	1
Hexachloroethane	ND	H	9.9	0.52	ug/L		10/27/25 12:01	10/28/25 14:42	1
Indene	**0.49**	**J H**	9.9	0.44	ug/L		10/27/25 12:01	10/28/25 14:42	1
Isophorone	ND	H	9.9	0.79	ug/L		10/27/25 12:01	10/28/25 14:42	1
2-Methylphenol	ND	H	9.9	0.75	ug/L		10/27/25 12:01	10/28/25 14:42	1
3 & 4 Methylphenol	ND	H	20	4.6	ug/L		10/27/25 12:01	10/28/25 14:42	1
2-Nitroaniline	ND	H	9.9	1.4	ug/L		10/27/25 12:01	10/28/25 14:42	1
3-Nitroaniline	ND	H	9.9	0.94	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Nitroaniline	ND	H	9.9	3.5	ug/L		10/27/25 12:01	10/28/25 14:42	1
Nitrobenzene	ND	H	9.9	0.59	ug/L		10/27/25 12:01	10/28/25 14:42	1
2-Nitrophenol	ND	H	9.9	1.2	ug/L		10/27/25 12:01	10/28/25 14:42	1
4-Nitrophenol	ND	H	9.9	2.7	ug/L		10/27/25 12:01	10/28/25 14:42	1
N-Nitrosodimethylamine	ND	H	9.9	0.96	ug/L		10/27/25 12:01	10/28/25 14:42	1
N-Nitrosodi-n-propylamine	ND	H	9.9	0.33	ug/L		10/27/25 12:01	10/28/25 14:42	1
N-Nitrosodiphenylamine	ND	H	9.9	0.19	ug/L		10/27/25 12:01	10/28/25 14:42	1
Pentachlorophenol	ND	H	9.9	2.8	ug/L		10/27/25 12:01	10/28/25 14:42	1
Phenol	**39**	**H**	9.9	0.67	ug/L		10/27/25 12:01	10/28/25 14:42	1
Pyridine	ND	H	9.9	3.0	ug/L		10/27/25 12:01	10/28/25 14:42	1
Quinoline	ND	H	9.9	0.50	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4,5-Trichlorophenol	ND	H	9.9	0.53	ug/L		10/27/25 12:01	10/28/25 14:42	1
2,4,6-Trichlorophenol	ND	H	9.9	1.1	ug/L		10/27/25 12:01	10/28/25 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*25 - 139*	*10/27/25 12:01*	*10/28/25 14:42*	*1*
2-Fluorophenol	*82*		*10 - 150*	*10/27/25 12:01*	*10/28/25 14:42*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*10/27/25 12:01*	*10/28/25 14:42*	*1*
Phenol-d5	*76*		*10 - 150*	*10/27/25 12:01*	*10/28/25 14:42*	*1*
Terphenyl-d14	*60*		*28 - 150*	*10/27/25 12:01*	*10/28/25 14:42*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/27/25 12:01*	*10/28/25 14:42*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284370-1	TB-ROX-101725-8260-SS	105	102	93
400-284370-3	P56-ROX-101725-EB	106	98	95
400-284370-4	P56-ROX-101725	105	98	95
400-284370-5	P59-ROX-101725	109	94	103
400-284370-6	T12-ROX-101725	107	100	95
LCS 400-728415/1003	Lab Control Sample	99	101	89
LCS 400-728746/1003	Lab Control Sample	103	104	92
LCS 400-728929/1003	Lab Control Sample	95	96	97
MB 400-728415/5	Method Blank	101	102	95
MB 400-728746/5	Method Blank	113	100	92
MB 400-728929/5	Method Blank	105	95	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284370-2	TB-ROX-101725-8260SIM-SS	111	91	84
400-284370-3	P56-ROX-101725-EB	114	87	79
400-284370-4	P56-ROX-101725	109	93	79
400-284370-5	P59-ROX-101725	108	88	79
400-284370-6	T12-ROX-101725	109	91	83
LCS 400-728401/1003	Lab Control Sample	111	93	84
LCS 400-728580/1003	Lab Control Sample	109	90	85
MB 400-728401/5	Method Blank	113	88	83
MB 400-728580/5	Method Blank	111	91	83

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284370-3	P56-ROX-101725-EB	75	80	100	75	90	80	81	100
400-284370-4	P56-ROX-101725	77	86	59	77	98	86	91	59
400-284370-5	P59-ROX-101725	74	88	54	74	98	88	91	54
400-284370-6	T12-ROX-101725	78	86	94	78	196 S1+	86	179 S1+	94
400-284370-6 - RERA	T12-ROX-101725				69	82	79	76	60
LCS 400-727411/2-A	Lab Control Sample	73	79	84	73	102	79	101	84
LCS 400-727411/4-A	Lab Control Sample				74	96	78	88	85

Surrogate Summary

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-728301/25-A	Lab Control Sample				74	85	77	78	84
LCS 400-728301/2-A	Lab Control Sample				69	89	78	87	85
LCSD 400-727411/3-A	Lab Control Sample Dup	55	59	66	55	93	59	90	66
LCSD 400-727411/5-A	Lab Control Sample Dup				76	94	80	87	87
LCSD 400-728301/26-A	Lab Control Sample Dup				71	86	79	79	83
MB 400-727411/1-A	Method Blank	80	92	96					
MB 400-727411/1-A	Method Blank				84	102	105	91	104
MB 400-728301/1-A	Method Blank				71	87	79	76	96

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284370-3	P56-ROX-101725-EB	84
400-284370-4	P56-ROX-101725	100
400-284370-5	P59-ROX-101725	89
400-284370-6	T12-ROX-101725	202 S1+
400-284370-6 - RERA	T12-ROX-101725	88
LCS 400-727411/2-A	Lab Control Sample	91
LCS 400-727411/4-A	Lab Control Sample	89
LCS 400-728301/25-A	Lab Control Sample	83
LCS 400-728301/2-A	Lab Control Sample	94
LCSD 400-727411/3-A	Lab Control Sample Dup	93
LCSD 400-727411/5-A	Lab Control Sample Dup	87
LCSD 400-728301/26-A	Lab Control Sample Dup	77
MB 400-727411/1-A	Method Blank	
MB 400-727411/1-A	Method Blank	95
MB 400-728301/1-A	Method Blank	83

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-101725-8260-SS
Lab Sample ID: 400-284370-1
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 16:49	RSG	EET PEN

Client Sample ID: TB-ROX-101725-8260SIM-SS
Lab Sample ID: 400-284370-2
Date Collected: 10/17/25 00:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 09:02	WPD	EET PEN

Client Sample ID: P56-ROX-101725-EB
Lab Sample ID: 400-284370-3
Date Collected: 10/17/25 08:35
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 18:52	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 16:26	WPD	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727834	10/23/25 16:34	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727835	10/23/25 16:34	JAW	EET PEN

Client Sample ID: P56-ROX-101725
Lab Sample ID: 400-284370-4
Date Collected: 10/17/25 10:15
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	728746	10/30/25 19:17	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 09:25	WPD	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727834	10/23/25 17:04	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727835	10/23/25 17:04	JAW	EET PEN

Client Sample ID: P59-ROX-101725
Lab Sample ID: 400-284370-5
Date Collected: 10/17/25 11:35
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	728746	10/30/25 19:42	CAR	EET PEN
Total/NA	Analysis	8260D		10	5 mL	5 mL	728929	10/31/25 15:28	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 09:49	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727834	10/23/25 17:34	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727835	10/23/25 17:34	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: T12-ROX-101725
Lab Sample ID: 400-284370-6
Date Collected: 10/17/25 13:00
Matrix: Water
Date Received: 10/18/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	728746	10/30/25 20:07	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 10:12	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727834	10/23/25 18:05	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727835	10/23/25 18:05	JAW	EET PEN
Total/NA	Prep	3511	RERA		30.3 mL	2 mL	728301	10/27/25 12:01	JPH	EET PEN
Total/NA	Analysis	8270E	RERA	1	0 mL	1.0 mL	728433	10/28/25 14:42	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727411/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:32	AMM	EET PEN
Total/NA	Analysis	8270E		1			727526	10/21/25 18:41	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:32	AMM	EET PEN
Total/NA	Analysis	8270E		1			727527	10/21/25 18:41	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:32	AMM	EET PEN
Total/NA	Analysis	8270E		1			727651	10/22/25 12:40	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728301/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 12:41	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728401/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 07:28	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728415/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 10:14	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728580/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 07:27	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728746/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 12:20	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728929/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728929	10/31/25 11:33	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727411/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:32	AMM	EET PEN
Total/NA	Analysis	8270E		1			727526	10/21/25 19:12	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:32	AMM	EET PEN
Total/NA	Analysis	8270E		1			727527	10/21/25 19:12	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727411/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727527	10/21/25 20:14	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728301/25-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 12:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 13:41	UI	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728301/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 10:39	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 13:11	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728401/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728401	10/28/25 06:30	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728415/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 09:08	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728580/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728580	10/29/25 06:29	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728746/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 11:08	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728929/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728929	10/31/25 10:14	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727411/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727526	10/21/25 19:43	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727411/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727527	10/21/25 19:43	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727411/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727411	10/20/25 11:41	AMM	EET PEN
Total/NA	Analysis	8270E		1			727527	10/21/25 20:45	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-728301/26-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	728301	10/27/25 12:01	JPH	EET PEN
Total/NA	Analysis	8270E		1			728433	10/28/25 14:11	UI	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284370-1

GC/MS VOA

Analysis Batch: 728401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-3	P56-ROX-101725-EB	Total/NA	Water	8260D SIM	
MB 400-728401/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728401/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 728415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-1	TB-ROX-101725-8260-SS	Total/NA	Water	8260D	
MB 400-728415/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728415/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-2	TB-ROX-101725-8260SIM-SS	Total/NA	Water	8260D SIM	
400-284370-4	P56-ROX-101725	Total/NA	Water	8260D SIM	
400-284370-5	P59-ROX-101725	Total/NA	Water	8260D SIM	
400-284370-6	T12-ROX-101725	Total/NA	Water	8260D SIM	
MB 400-728580/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728580/1003	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 728746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-3	P56-ROX-101725-EB	Total/NA	Water	8260D	
400-284370-4	P56-ROX-101725	Total/NA	Water	8260D	
400-284370-5	P59-ROX-101725	Total/NA	Water	8260D	
400-284370-6	T12-ROX-101725	Total/NA	Water	8260D	
MB 400-728746/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728746/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-5	P59-ROX-101725	Total/NA	Water	8260D	
MB 400-728929/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728929/1003	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-3	P56-ROX-101725-EB	Total/NA	Water	3511	
400-284370-4	P56-ROX-101725	Total/NA	Water	3511	
400-284370-5	P59-ROX-101725	Total/NA	Water	3511	
400-284370-6	T12-ROX-101725	Total/NA	Water	3511	
MB 400-727411/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727411/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-727411/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 727526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727411/1-A	Method Blank	Total/NA	Water	8270E	727411

GC/MS Semi VOA (Continued)

Analysis Batch: 727526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	8270E	727411
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727411

Analysis Batch: 727527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727411/1-A	Method Blank	Total/NA	Water	8270E	727411
LCS 400-727411/2-A	Lab Control Sample	Total/NA	Water	8270E	727411
LCS 400-727411/4-A	Lab Control Sample	Total/NA	Water	8270E	727411
LCSD 400-727411/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	727411
LCSD 400-727411/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	727411

Analysis Batch: 727651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727411/1-A	Method Blank	Total/NA	Water	8270E	727411

Analysis Batch: 727834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-3	P56-ROX-101725-EB	Total/NA	Water	8270E	727411
400-284370-4	P56-ROX-101725	Total/NA	Water	8270E	727411
400-284370-5	P59-ROX-101725	Total/NA	Water	8270E	727411
400-284370-6	T12-ROX-101725	Total/NA	Water	8270E	727411

Analysis Batch: 727835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-3	P56-ROX-101725-EB	Total/NA	Water	8270E	727411
400-284370-4	P56-ROX-101725	Total/NA	Water	8270E	727411
400-284370-5	P59-ROX-101725	Total/NA	Water	8270E	727411
400-284370-6	T12-ROX-101725	Total/NA	Water	8270E	727411

Prep Batch: 728301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-6 - RERA	T12-ROX-101725	Total/NA	Water	3511	
MB 400-728301/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-728301/25-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-728301/26-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284370-6 - RERA	T12-ROX-101725	Total/NA	Water	8270E	728301
MB 400-728301/1-A	Method Blank	Total/NA	Water	8270E	728301
LCS 400-728301/25-A	Lab Control Sample	Total/NA	Water	8270E	728301
LCS 400-728301/2-A	Lab Control Sample	Total/NA	Water	8270E	728301
LCSD 400-728301/26-A	Lab Control Sample Dup	Total/NA	Water	8270E	728301

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 10:14	1
Acrolein	ND		20	3.3	ug/L			10/28/25 10:14	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 10:14	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 10:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 10:14	1
Bromomethane	ND		1.0	0.98	ug/L			10/28/25 10:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 10:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 10:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 10:14	1
Chloroethane	ND		1.0	0.76	ug/L			10/28/25 10:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 10:14	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 10:14	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 10:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 10:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 10:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 10:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 10:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 10:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 10:14	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 10:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 10:14	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 10:14	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 10:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 10:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 10:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 10:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 10:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 10:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 10:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 10:14	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 10:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 10:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 10:14	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 10:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 10:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 10:14	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 10:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 10:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 10:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 10:14	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 10:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/28/25 10:14*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 10:14*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 10:14*	*1*

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	274		ug/L		137	43 - 150
Acrolein	500	660		ug/L		132	38 - 150
Acrylonitrile	500	554		ug/L		111	64 - 142
Benzene	50.0	55.6		ug/L		111	70 - 130
Bromobenzene	50.0	48.5		ug/L		97	70 - 132
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	50.0	106	*+	ug/L		213	10 - 150
2-Butanone (MEK)	200	277		ug/L		139	61 - 145
Carbon disulfide	50.0	50.3		ug/L		101	61 - 137
Carbon tetrachloride	50.0	50.5		ug/L		101	61 - 137
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Chloroethane	50.0	75.6	*+	ug/L		151	55 - 141
2-Chloroethyl vinyl ether	50.0	48.7		ug/L		97	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	54.8		ug/L		110	69 - 130
1-Chlorohexane	50.0	52.8		ug/L		106	69 - 130
Chloromethane	50.0	45.8		ug/L		92	58 - 137
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	69 - 132
Dibromochloromethane	50.0	45.5		ug/L		91	67 - 135
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	67 - 130
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	66.9		ug/L		134	41 - 146
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	57.7		ug/L		115	69 - 130
1,1-Dichloroethene	50.0	49.4		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	58.4		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.1		ug/L		102	52 - 135
1,1-Dichloropropene	50.0	53.3		ug/L		107	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Ethyl methacrylate	50.0	45.1		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	51.6		ug/L		103	53 - 140
2-Hexanone	200	244		ug/L		122	65 - 137
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	48.1		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	232		ug/L		116	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	58.2		ug/L		116	67 - 130
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130
o-Chlorotoluene	50.0	56.4		ug/L		113	70 - 130
o-Xylene	50.0	49.4		ug/L		99	70 - 130
p-Chlorotoluene	50.0	55.1		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	52.9		ug/L		106	65 - 130
sec-Butylbenzene	50.0	54.0		ug/L		108	66 - 130
Styrene	50.0	48.8		ug/L		98	70 - 130
tert-Butylbenzene	50.0	53.0		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 131
Tetrachloroethene	50.0	42.5		ug/L		85	65 - 130
Toluene	50.0	46.7		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	47.2		ug/L		94	63 - 130
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	60 - 138
1,2,4-Trichlorobenzene	50.0	48.3		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.7		ug/L		107	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
Vinyl acetate	100	116		ug/L		116	26 - 150
Vinyl chloride	50.0	52.8		ug/L		106	59 - 136
Xylenes, Total	100	98.1		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/30/25 12:20	1
Acrolein	ND		20	3.3	ug/L			10/30/25 12:20	1
Acrylonitrile	ND		10	2.8	ug/L			10/30/25 12:20	1
Benzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Bromobenzene	ND		1.0	0.54	ug/L			10/30/25 12:20	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/30/25 12:20	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Bromoform	ND		5.0	0.25	ug/L			10/30/25 12:20	1
Bromomethane	ND		1.0	0.98	ug/L			10/30/25 12:20	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/30/25 12:20	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/30/25 12:20	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/30/25 12:20	1
Chloroethane	ND		1.0	0.76	ug/L			10/30/25 12:20	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/30/25 12:20	1
Chloroform	ND		1.0	0.90	ug/L			10/30/25 12:20	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/30/25 12:20	1
Chloromethane	ND		1.0	0.40	ug/L			10/30/25 12:20	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/30/25 12:20	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/30/25 12:20	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/30/25 12:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/30/25 12:20	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/30/25 12:20	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/30/25 12:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/30/25 12:20	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/30/25 12:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/30/25 12:20	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/30/25 12:20	1
2-Hexanone	ND		25	4.3	ug/L			10/30/25 12:20	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/30/25 12:20	1
Methylene bromide	ND		5.0	0.22	ug/L			10/30/25 12:20	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/30/25 12:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/30/25 12:20	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/30/25 12:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/30/25 12:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/30/25 12:20	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/30/25 12:20	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/30/25 12:20	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/30/25 12:20	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/30/25 12:20	1
Styrene	ND		1.0	1.0	ug/L			10/30/25 12:20	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/30/25 12:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/30/25 12:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/30/25 12:20	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/30/25 12:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/30/25 12:20	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/30/25 12:20	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/30/25 12:20	1
Trichloroethene	ND		1.0	0.15	ug/L			10/30/25 12:20	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/30/25 12:20	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/30/25 12:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/30/25 12:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/30/25 12:20	1
Vinyl acetate	ND		25	0.93	ug/L			10/30/25 12:20	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/30/25 12:20*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 12:20*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*10/30/25 12:20*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	297		ug/L		149	43 - 150
Acrolein	500	746		ug/L		149	38 - 150
Acrylonitrile	500	565		ug/L		113	64 - 142
Benzene	50.0	57.6		ug/L		115	70 - 130
Bromobenzene	50.0	48.7		ug/L		97	70 - 132
Bromochloromethane	50.0	54.2		ug/L		108	70 - 130
Bromodichloromethane	50.0	56.5		ug/L		113	67 - 133
Bromoform	50.0	47.2		ug/L		94	57 - 140
Bromomethane	50.0	97.4	*+	ug/L		195	10 - 150
2-Butanone (MEK)	200	312	*+	ug/L		156	61 - 145
Carbon disulfide	50.0	51.4		ug/L		103	61 - 137
Carbon tetrachloride	50.0	57.0		ug/L		114	61 - 137
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130
Chloroethane	50.0	71.5	*+	ug/L		143	55 - 141
2-Chloroethyl vinyl ether	50.0	54.6		ug/L		109	10 - 150
Chloroform	50.0	58.3		ug/L		117	69 - 130
1-Chlorohexane	50.0	54.8		ug/L		110	69 - 130
Chloromethane	50.0	52.5		ug/L		105	58 - 137
cis-1,2-Dichloroethene	50.0	58.4		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	56.4		ug/L		113	69 - 132
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
1,2-Dichlorobenzene	50.0	47.7		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	77.9	*+	ug/L		156	41 - 146
1,1-Dichloroethane	50.0	57.4		ug/L		115	70 - 130
1,2-Dichloroethane	50.0	56.3		ug/L		113	69 - 130
1,1-Dichloroethene	50.0	56.7		ug/L		113	63 - 134
1,2-Dichloropropane	50.0	57.0		ug/L		114	70 - 130
1,3-Dichloropropane	50.0	47.8		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	58.6		ug/L		117	52 - 135
1,1-Dichloropropene	50.0	59.6		ug/L		119	70 - 130
Ethylbenzene	50.0	54.0		ug/L		108	70 - 130
Ethyl methacrylate	50.0	48.2		ug/L		96	68 - 130
Hexachlorobutadiene	50.0	58.7		ug/L		117	53 - 140
2-Hexanone	200	240		ug/L		120	65 - 137
Isopropylbenzene	50.0	55.2		ug/L		110	70 - 130
Methylene bromide	50.0	55.8		ug/L		112	70 - 130
Methylene Chloride	50.0	48.5		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	56.2		ug/L		112	66 - 130
m-Xylene & p-Xylene	50.0	54.2		ug/L		108	70 - 130
Naphthalene	50.0	53.0		ug/L		106	47 - 149
n-Butylbenzene	50.0	52.0		ug/L		104	67 - 130
N-Propylbenzene	50.0	54.6		ug/L		109	70 - 130
o-Chlorotoluene	50.0	48.7		ug/L		97	70 - 130
o-Xylene	50.0	52.8		ug/L		106	70 - 130
p-Chlorotoluene	50.0	56.1		ug/L		112	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	57.3		ug/L		115	65 - 130
sec-Butylbenzene	50.0	58.1		ug/L		116	66 - 130
Styrene	50.0	51.7		ug/L		103	70 - 130
tert-Butylbenzene	50.0	57.0		ug/L		114	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.9		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.6		ug/L		93	70 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	65 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	57.6		ug/L		115	70 - 130
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	63 - 130
1,2,3-Trichlorobenzene	50.0	54.9		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	55.8		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	57.1		ug/L		114	68 - 130
1,1,2-Trichloroethane	50.0	46.3		ug/L		93	70 - 130
Trichloroethene	50.0	56.0		ug/L		112	70 - 130
Trichlorofluoromethane	50.0	62.9		ug/L		126	65 - 138
1,2,3-Trichloropropane	50.0	46.8		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	50.0	56.3		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	50.0	56.4		ug/L		113	69 - 130
Vinyl acetate	100	133		ug/L		133	26 - 150
Vinyl chloride	50.0	63.0		ug/L		126	59 - 136
Xylenes, Total	100	107		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: MB 400-728929/5
Matrix: Water
Analysis Batch: 728929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	4.0	ug/L			10/31/25 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*10/31/25 11:33*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*10/31/25 11:33*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*10/31/25 11:33*	*1*

Lab Sample ID: LCS 400-728929/1003
Matrix: Water
Analysis Batch: 728929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	39.1		ug/L		78	66 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728929/1003
Matrix: Water
Analysis Batch: 728929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728401/5
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/28/25 07:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/28/25 07:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/28/25 07:28*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/28/25 07:28*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/28/25 07:28*	*1*

Lab Sample ID: LCS 400-728401/1003
Matrix: Water
Analysis Batch: 728401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.464		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.552		ug/L		110	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*93*		*50 - 150*
4-Bromofluorobenzene	*84*		*50 - 150*

Lab Sample ID: MB 400-728580/5
Matrix: Water
Analysis Batch: 728580

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/29/25 07:27	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/29/25 07:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*111*		*50 - 150*		*10/29/25 07:27*	*1*
Toluene-d8 (Surr)	*91*		*50 - 150*		*10/29/25 07:27*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/29/25 07:27*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-728580/1003
Matrix: Water
Analysis Batch: 728580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.423		ug/L		85	50 - 150
1,2-Dibromoethane	0.500	0.532		ug/L		106	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*109*		*50 - 150*
Toluene-d8 (Surr)	*90*		*50 - 150*
4-Bromofluorobenzene	*85*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727411/1-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/20/25 11:32	10/21/25 18:41	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzenethiol	ND		10	0.60	ug/L		10/20/25 11:32	10/21/25 18:41	1
Anthracene	ND		0.20	0.073	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/20/25 11:32	10/21/25 18:41	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/20/25 11:32	10/21/25 18:41	1
Chrysene	ND		0.20	0.039	ug/L		10/20/25 11:32	10/21/25 18:41	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/20/25 11:32	10/21/25 18:41	1
Fluoranthene	ND		0.20	0.032	ug/L		10/20/25 11:32	10/21/25 18:41	1
Fluorene	ND		0.20	0.087	ug/L		10/20/25 11:32	10/21/25 18:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/20/25 11:32	10/21/25 18:41	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/20/25 11:32	10/21/25 18:41	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/20/25 11:32	10/21/25 18:41	1
Phenanthrene	ND		0.20	0.044	ug/L		10/20/25 11:32	10/21/25 18:41	1
Pyrene	ND		0.20	0.095	ug/L		10/20/25 11:32	10/21/25 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*10/20/25 11:32*	*10/21/25 18:41*	*1*
Terphenyl-d14	*96*		*43 - 147*	*10/20/25 11:32*	*10/21/25 18:41*	*1*

Lab Sample ID: MB 400-727411/1-A
Matrix: Water
Analysis Batch: 727651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/20/25 11:32	10/22/25 12:40	1
Benzoic acid	ND		100	80	ug/L		10/20/25 11:32	10/22/25 12:40	1
Benzyl alcohol	ND		35	30	ug/L		10/20/25 11:32	10/22/25 12:40	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/20/25 11:32	10/22/25 12:40	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727411/1-A
Matrix: Water
Analysis Batch: 727651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/20/25 11:32	10/22/25 12:40	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/20/25 11:32	10/22/25 12:40	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/20/25 11:32	10/22/25 12:40	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Chloroaniline	ND		10	0.58	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/20/25 11:32	10/22/25 12:40	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/20/25 11:32	10/22/25 12:40	1
2-Chlorophenol	ND		10	0.84	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/20/25 11:32	10/22/25 12:40	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/20/25 11:32	10/22/25 12:40	1
Dibenzofuran	ND		10	0.64	ug/L		10/20/25 11:32	10/22/25 12:40	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/20/25 11:32	10/22/25 12:40	1
Diethyl phthalate	ND		10	4.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/20/25 11:32	10/22/25 12:40	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/20/25 11:32	10/22/25 12:40	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/20/25 11:32	10/22/25 12:40	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
1,4-Dioxane	ND		10	4.3	ug/L		10/20/25 11:32	10/22/25 12:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/20/25 11:32	10/22/25 12:40	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/20/25 11:32	10/22/25 12:40	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/20/25 11:32	10/22/25 12:40	1
Hexachloroethane	ND		10	0.53	ug/L		10/20/25 11:32	10/22/25 12:40	1
Indene	ND		10	0.44	ug/L		10/20/25 11:32	10/22/25 12:40	1
Isophorone	ND		10	0.80	ug/L		10/20/25 11:32	10/22/25 12:40	1
2-Methylphenol	ND		10	0.76	ug/L		10/20/25 11:32	10/22/25 12:40	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/20/25 11:32	10/22/25 12:40	1
2-Nitroaniline	ND		10	1.4	ug/L		10/20/25 11:32	10/22/25 12:40	1
3-Nitroaniline	ND		10	0.95	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Nitroaniline	ND		10	3.5	ug/L		10/20/25 11:32	10/22/25 12:40	1
Nitrobenzene	ND		10	0.60	ug/L		10/20/25 11:32	10/22/25 12:40	1
2-Nitrophenol	ND		10	1.2	ug/L		10/20/25 11:32	10/22/25 12:40	1
4-Nitrophenol	ND		10	2.7	ug/L		10/20/25 11:32	10/22/25 12:40	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/20/25 11:32	10/22/25 12:40	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/20/25 11:32	10/22/25 12:40	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/20/25 11:32	10/22/25 12:40	1
Pentachlorophenol	ND		10	2.8	ug/L		10/20/25 11:32	10/22/25 12:40	1
Phenol	1.15	J	10	0.68	ug/L		10/20/25 11:32	10/22/25 12:40	1
Pyridine	ND		10	3.0	ug/L		10/20/25 11:32	10/22/25 12:40	1
Quinoline	ND		10	0.50	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/20/25 11:32	10/22/25 12:40	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/20/25 11:32	10/22/25 12:40	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727411/1-A
Matrix: Water
Analysis Batch: 727651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727411

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 139	10/20/25 11:32	10/22/25 12:40	1
2-Fluorophenol	102		10 - 150	10/20/25 11:32	10/22/25 12:40	1
Nitrobenzene-d5	105		22 - 150	10/20/25 11:32	10/22/25 12:40	1
Phenol-d5	91		10 - 150	10/20/25 11:32	10/22/25 12:40	1
Terphenyl-d14	104		28 - 150	10/20/25 11:32	10/22/25 12:40	1
2,4,6-Tribromophenol	95		10 - 150	10/20/25 11:32	10/22/25 12:40	1

Lab Sample ID: LCS 400-727411/2-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	30.1		ug/L		90	29 - 150
Aniline	33.3	32.2		ug/L		97	10 - 134
Acenaphthylene	33.3	30.5		ug/L		92	30 - 150
Anthracene	33.3	35.4		ug/L		106	31 - 150
Benzoic acid	143	ND		ug/L		44	10 - 180
Benzo[a]anthracene	33.3	34.9		ug/L		105	36 - 150
Benzyl alcohol	33.3	38.0		ug/L		114	10 - 150
Benzo[a]pyrene	33.3	34.6		ug/L		104	29 - 150
Bis(2-chloroethoxy)methane	33.3	39.4		ug/L		118	34 - 120
Benzo[b]fluoranthene	33.3	36.5		ug/L		109	32 - 150
Bis(2-chloroethyl)ether	33.3	32.4		ug/L		97	32 - 114
Benzo[g,h,i]perylene	33.3	33.8		ug/L		102	28 - 150
bis (2-chloroisopropyl) ether	33.3	33.8		ug/L		101	32 - 115
Benzo[k]fluoranthene	33.3	33.1		ug/L		99	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	43.8		ug/L		132	24 - 133
4-Bromophenyl phenyl ether	33.3	35.6		ug/L		107	24 - 120
Chrysene	33.3	33.4		ug/L		100	34 - 150
Butyl benzyl phthalate	33.3	32.8		ug/L		98	24 - 140
Dibenz(a,h)anthracene	33.3	32.8		ug/L		98	29 - 150
4-Chloroaniline	33.3	43.6		ug/L		131	10 - 150
Fluoranthene	33.3	35.6		ug/L		107	30 - 150
4-Chloro-3-methylphenol	33.3	45.0		ug/L		135	10 - 137
Fluorene	33.3	32.0		ug/L		96	30 - 150
2-Chloronaphthalene	33.3	43.8		ug/L		131	10 - 150
2-Chlorophenol	33.3	40.2		ug/L		121	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	31.0		ug/L		93	28 - 150
1-Methylnaphthalene	33.3	28.0		ug/L		84	25 - 150
4-Chlorophenyl phenyl ether	33.3	29.2		ug/L		88	31 - 110
2-Methylnaphthalene	33.3	30.1		ug/L		90	24 - 150
Dibenz[a,h]acridine	33.3	32.0		ug/L		96	40 - 150
Dibenzofuran	33.3	30.9		ug/L		93	35 - 110
3,3'-Dichlorobenzidine	66.7	60.7		ug/L		91	10 - 150
Phenanthrene	33.3	34.1		ug/L		102	32 - 150
2,4-Dichlorophenol	33.3	38.8		ug/L		116	30 - 125
Pyrene	33.3	38.5		ug/L		116	30 - 150
Diethyl phthalate	33.3	30.0		ug/L		90	31 - 118

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727411/2-A
Matrix: Water
Analysis Batch: 727527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	33.3	36.1		ug/L		108	10 - 142
Dimethyl phthalate	33.3	28.9		ug/L		87	24 - 125
Di-n-butyl phthalate	33.3	36.4		ug/L		109	30 - 127
4,6-Dinitro-ortho-cresol	66.7	75.3		ug/L		113	10 - 150
2,4-Dinitrophenol	66.7	64.6		ug/L		97	10 - 150
2,4-Dinitrotoluene	33.3	38.8		ug/L		116	30 - 129
2,6-Dinitrotoluene	33.3	40.4		ug/L		121	34 - 132
Di-n-octyl phthalate	33.3	36.2		ug/L		109	28 - 142
1,4-Dioxane	33.3	32.4		ug/L		97	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	31.9		ug/L		96	29 - 121
Hexachlorobenzene	33.3	34.3		ug/L		103	29 - 113
Hexachlorocyclopentadiene	33.3	16.6	J	ug/L		50	10 - 150
Hexachloroethane	33.3	21.8		ug/L		65	10 - 112
Indene	33.3	21.9		ug/L		66	10 - 113
Isophorone	33.3	33.4		ug/L		100	29 - 125
2-Methylphenol	33.3	38.1		ug/L		114	11 - 121
3 & 4 Methylphenol	33.3	38.5		ug/L		116	10 - 150
2-Nitroaniline	33.3	39.1		ug/L		117	31 - 141
3-Nitroaniline	33.3	36.8		ug/L		110	33 - 136
4-Nitroaniline	33.3	34.6		ug/L		104	37 - 139
Nitrobenzene	33.3	32.5		ug/L		97	29 - 129
2-Nitrophenol	33.3	40.7		ug/L		122	31 - 142
4-Nitrophenol	66.7	87.7		ug/L		131	10 - 150
N-Nitrosodimethylamine	33.3	30.5		ug/L		91	10 - 136
N-Nitrosodi-n-propylamine	33.3	38.4		ug/L		115	50 - 134
N-Nitrosodiphenylamine	33.1	35.4		ug/L		107	50 - 132
Pentachlorophenol	66.7	55.5		ug/L		83	14 - 150
Phenol	33.3	46.9		ug/L		141	10 - 150
Pyridine	66.7	55.0		ug/L		82	10 - 150
Quinoline	33.3	35.2		ug/L		106	40 - 150
2,4,5-Trichlorophenol	33.3	33.9		ug/L		102	27 - 136
2,4,6-Trichlorophenol	33.3	32.5		ug/L		98	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*
Nitrobenzene-d5	*79*		*50 - 150*
Terphenyl-d14	*84*		*43 - 147*
2-Fluorobiphenyl	*73*		*25 - 139*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*79*		*22 - 150*
Phenol-d5	*101*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*91*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727411/4-A
Matrix: Water
Analysis Batch: 727527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	25.7		ug/L		77	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*25 - 139*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*85*		*28 - 150*
2,4,6-Tribromophenol	*89*		*10 - 150*

Lab Sample ID: LCSD 400-727411/3-A
Matrix: Water
Analysis Batch: 727526

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	28.8		ug/L		86	29 - 150	4	40
Aniline			33.3	32.9		ug/L		99	10 - 134	2	40
Acenaphthylene			33.3	29.8		ug/L		89	30 - 150	3	40
Anthracene			33.3	35.0		ug/L		105	31 - 150	1	40
Benzoic acid			143	ND		ug/L		39	10 - 180	12	40
Benzo[a]anthracene			33.3	35.4		ug/L		106	36 - 150	1	40
Benzyl alcohol			33.3	32.0	J	ug/L		96	10 - 150	17	40
Benzo[a]pyrene			33.3	34.3		ug/L		103	29 - 150	1	40
Bis(2-chloroethoxy)methane			33.3	39.4		ug/L		118	34 - 120	0	40
Benzo[b]fluoranthene			33.3	35.7		ug/L		107	32 - 150	2	40
Bis(2-chloroethyl)ether			33.3	31.8		ug/L		95	32 - 114	2	40
Benzo[g,h,i]perylene			33.3	33.9		ug/L		102	28 - 150	0	40
bis (2-chloroisopropyl) ether			33.3	32.9		ug/L		99	32 - 115	2	40
Benzo[k]fluoranthene			33.3	33.4		ug/L		100	30 - 150	1	40
Bis(2-ethylhexyl) phthalate			33.3	44.1		ug/L		132	24 - 133	1	40
4-Bromophenyl phenyl ether			33.3	35.0		ug/L		105	24 - 120	2	40
Chrysene			33.3	34.5		ug/L		103	34 - 150	3	40
Butyl benzyl phthalate			33.3	32.6		ug/L		98	24 - 140	1	40
Dibenz(a,h)anthracene			33.3	32.7		ug/L		98	29 - 150	0	40
4-Chloroaniline			33.3	46.7		ug/L		140	10 - 150	7	40
Fluoranthene			33.3	35.0		ug/L		105	30 - 150	2	40
4-Chloro-3-methylphenol			33.3	38.2		ug/L		115	10 - 137	16	40
Fluorene			33.3	30.9		ug/L		93	30 - 150	3	40
2-Chloronaphthalene			33.3	42.6		ug/L		128	10 - 150	3	40
2-Chlorophenol			33.3	35.1		ug/L		105	28 - 127	14	40
Indeno[1,2,3-cd]pyrene			33.3	31.0		ug/L		93	28 - 150	0	40
1-Methylnaphthalene			33.3	27.1		ug/L		81	25 - 150	4	40
4-Chlorophenyl phenyl ether			33.3	27.9		ug/L		84	31 - 110	4	40
2-Methylnaphthalene			33.3	28.9		ug/L		87	24 - 150	4	40
Dibenz[a,h]acridine			33.3	32.9		ug/L		99	40 - 150	3	40
Dibenzofuran			33.3	29.7		ug/L		89	35 - 110	4	40
3,3'-Dichlorobenzidine			66.7	67.9	E	ug/L		102	10 - 150	11	40
Phenanthrene			33.3	33.8		ug/L		101	32 - 150	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727411/3-A
Matrix: Water
Analysis Batch: 727527

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol			33.3	35.7		ug/L		107	30 - 125	8	40
Pyrene			33.3	37.7		ug/L		113	30 - 150	2	40
Diethyl phthalate			33.3	28.5		ug/L		86	31 - 118	5	40
2,4-Dimethylphenol			33.3	31.9		ug/L		96	10 - 142	12	40
Dimethyl phthalate			33.3	26.5		ug/L		79	24 - 125	9	40
Di-n-butyl phthalate			33.3	35.2		ug/L		106	30 - 127	3	40
4,6-Dinitro-ortho-cresol			66.7	68.8		ug/L		103	10 - 150	9	40
2,4-Dinitrophenol			66.7	55.7		ug/L		84	10 - 150	15	40
2,4-Dinitrotoluene			33.3	37.5		ug/L		113	30 - 129	3	40
2,6-Dinitrotoluene			33.3	39.8		ug/L		119	34 - 132	2	40
Di-n-octyl phthalate			33.3	36.5		ug/L		109	28 - 142	1	40
1,4-Dioxane			33.3	28.6		ug/L		86	10 - 137	13	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	30.8		ug/L		92	29 - 121	3	40
Hexachlorobenzene			33.3	33.9		ug/L		102	29 - 113	1	40
Hexachlorocyclopentadiene			33.3	16.5	J	ug/L		50	10 - 150	0	40
Hexachloroethane			33.3	20.4		ug/L		61	10 - 112	7	40
Indene			33.3	24.5		ug/L		74	10 - 113	11	40
Isophorone			33.3	32.9		ug/L		99	29 - 125	1	40
2-Methylphenol			33.3	33.6		ug/L		101	11 - 121	13	40
3 & 4 Methylphenol			33.3	33.3		ug/L		100	10 - 150	15	40
2-Nitroaniline			33.3	38.0		ug/L		114	31 - 141	3	40
3-Nitroaniline			33.3	38.3		ug/L		115	33 - 136	4	40
4-Nitroaniline			33.3	35.1		ug/L		105	37 - 139	1	40
Nitrobenzene			33.3	32.9		ug/L		99	29 - 129	1	40
2-Nitrophenol			33.3	36.9		ug/L		111	31 - 142	10	40
4-Nitrophenol			66.7	79.3		ug/L		119	10 - 150	10	40
N-Nitrosodimethylamine			33.3	27.6		ug/L		83	10 - 136	10	40
N-Nitrosodi-n-propylamine			33.3	36.6		ug/L		110	50 - 134	5	40
N-Nitrosodiphenylamine			33.1	34.4		ug/L		104	50 - 132	3	40
Pentachlorophenol			66.7	50.1		ug/L		75	14 - 150	10	40
Phenol			33.3	38.2		ug/L		115	10 - 150	20	40
Pyridine			66.7	55.7		ug/L		83	10 - 150	1	40
Quinoline			33.3	37.4		ug/L		112	40 - 150	6	40
2,4,5-Trichlorophenol			33.3	31.3		ug/L		94	27 - 136	8	40
2,4,6-Trichlorophenol			33.3	28.9		ug/L		87	21 - 132	12	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*55*		*15 - 150*
Nitrobenzene-d5	*59*		*50 - 150*
Terphenyl-d14	*66*		*43 - 147*
2-Fluorobiphenyl	*55*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*59*		*22 - 150*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*93*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727411/5-A
Matrix: Water
Analysis Batch: 727527

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	24.4		ug/L		73	10 - 150	5	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*25 - 139*
2-Fluorophenol	*94*		*10 - 150*
Nitrobenzene-d5	*80*		*22 - 150*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*87*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzenethiol	ND		10	0.60	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzoic acid	ND		100	80	ug/L		10/27/25 10:39	10/28/25 12:41	1
Benzyl alcohol	ND		35	30	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/27/25 10:39	10/28/25 12:41	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/27/25 10:39	10/28/25 12:41	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/27/25 10:39	10/28/25 12:41	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chloroaniline	ND		10	0.58	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Chlorophenol	ND		10	0.84	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dibenzofuran	ND		10	0.64	ug/L		10/27/25 10:39	10/28/25 12:41	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/27/25 10:39	10/28/25 12:41	1
Diethyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/27/25 10:39	10/28/25 12:41	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/27/25 10:39	10/28/25 12:41	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/27/25 10:39	10/28/25 12:41	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
1,4-Dioxane	ND		10	4.3	ug/L		10/27/25 10:39	10/28/25 12:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/27/25 10:39	10/28/25 12:41	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/27/25 10:39	10/28/25 12:41	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/27/25 10:39	10/28/25 12:41	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-728301/1-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 728301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		10/27/25 10:39	10/28/25 12:41	1
Indene	ND		10	0.44	ug/L		10/27/25 10:39	10/28/25 12:41	1
Isophorone	ND		10	0.80	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Methylphenol	ND		10	0.76	ug/L		10/27/25 10:39	10/28/25 12:41	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Nitroaniline	ND		10	1.4	ug/L		10/27/25 10:39	10/28/25 12:41	1
3-Nitroaniline	ND		10	0.95	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Nitroaniline	ND		10	3.5	ug/L		10/27/25 10:39	10/28/25 12:41	1
Nitrobenzene	ND		10	0.60	ug/L		10/27/25 10:39	10/28/25 12:41	1
2-Nitrophenol	ND		10	1.2	ug/L		10/27/25 10:39	10/28/25 12:41	1
4-Nitrophenol	ND		10	2.7	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/27/25 10:39	10/28/25 12:41	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/27/25 10:39	10/28/25 12:41	1
Pentachlorophenol	ND		10	2.8	ug/L		10/27/25 10:39	10/28/25 12:41	1
Phenol	ND		10	0.68	ug/L		10/27/25 10:39	10/28/25 12:41	1
Pyridine	ND		10	3.0	ug/L		10/27/25 10:39	10/28/25 12:41	1
Quinoline	ND		10	0.50	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/27/25 10:39	10/28/25 12:41	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/27/25 10:39	10/28/25 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*25 - 139*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2-Fluorophenol	*87*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Phenol-d5	*76*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
Terphenyl-d14	*96*		*28 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*
2,4,6-Tribromophenol	*83*		*10 - 150*	*10/27/25 10:39*	*10/28/25 12:41*	*1*

Lab Sample ID: LCS 400-728301/25-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	18.3		ug/L		55	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*25 - 139*
2-Fluorophenol	*85*		*10 - 150*
Nitrobenzene-d5	*77*		*22 - 150*
Phenol-d5	*78*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*83*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-728301/2-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	29.0		ug/L		87	10 - 134
Benzoic acid	143	168		ug/L		118	10 - 180
Benzyl alcohol	33.3	35.1		ug/L		105	10 - 150
Bis(2-chloroethoxy)methane	33.3	29.9		ug/L		90	34 - 120
Bis(2-chloroethyl)ether	33.3	24.4	I	ug/L		73	32 - 114
bis (2-chloroisopropyl) ether	33.3	25.3		ug/L		76	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	28.1		ug/L		84	24 - 133
4-Bromophenyl phenyl ether	33.3	29.2		ug/L		88	24 - 120
Butyl benzyl phthalate	33.3	21.8		ug/L		65	24 - 140
4-Chloroaniline	33.3	31.7		ug/L		95	10 - 150
4-Chloro-3-methylphenol	33.3	30.5		ug/L		92	10 - 137
2-Chloronaphthalene	33.3	46.4		ug/L		139	10 - 150
2-Chlorophenol	33.3	26.8		ug/L		80	28 - 127
4-Chlorophenyl phenyl ether	33.3	24.7		ug/L		74	31 - 110
Dibenz[a,h]acridine	33.3	27.5		ug/L		83	40 - 150
Dibenzofuran	33.3	24.2		ug/L		72	35 - 110
3,3'-Dichlorobenzidine	66.7	31.4		ug/L		47	10 - 150
2,4-Dichlorophenol	33.3	25.9		ug/L		78	30 - 125
Diethyl phthalate	33.3	14.3		ug/L		43	31 - 118
2,4-Dimethylphenol	33.3	26.1		ug/L		78	10 - 142
Dimethyl phthalate	33.3	15.8		ug/L		47	24 - 125
Di-n-butyl phthalate	33.3	21.7		ug/L		65	30 - 127
4,6-Dinitro-ortho-cresol	66.7	46.7		ug/L		70	10 - 150
2,4-Dinitrophenol	66.7	36.6		ug/L		55	10 - 150
2,4-Dinitrotoluene	33.3	27.1		ug/L		81	30 - 129
2,6-Dinitrotoluene	33.3	28.4		ug/L		85	34 - 132
Di-n-octyl phthalate	33.3	26.4		ug/L		79	28 - 142
1,4-Dioxane	33.3	31.5	I	ug/L		95	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	26.4		ug/L		79	29 - 121
Hexachlorobenzene	33.3	28.2		ug/L		85	29 - 113
Hexachlorocyclopentadiene	33.3	16.6	J	ug/L		50	10 - 150
Hexachloroethane	33.3	17.6		ug/L		53	10 - 112
Indene	33.3	19.9		ug/L		60	10 - 113
Isophorone	33.3	28.6		ug/L		86	29 - 125
2-Methylphenol	33.3	28.2		ug/L		85	11 - 121
3 & 4 Methylphenol	33.3	33.3		ug/L		100	10 - 150
2-Nitroaniline	33.3	27.0		ug/L		81	31 - 141
3-Nitroaniline	33.3	25.9		ug/L		78	33 - 136
4-Nitroaniline	33.3	21.7		ug/L		65	37 - 139
Nitrobenzene	33.3	26.8		ug/L		80	29 - 129
2-Nitrophenol	33.3	27.2		ug/L		82	31 - 142
4-Nitrophenol	66.7	69.0		ug/L		103	10 - 150
N-Nitrosodimethylamine	33.3	29.7		ug/L		89	10 - 136
N-Nitrosodi-n-propylamine	33.3	27.0		ug/L		81	50 - 134
N-Nitrosodiphenylamine	33.1	26.5		ug/L		80	50 - 132
Pentachlorophenol	66.7	53.4		ug/L		80	14 - 150
Phenol	33.3	30.2		ug/L		91	10 - 150
Pyridine	66.7	58.1		ug/L		87	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-728301/2-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Quinoline			33.3	30.3		ug/L		91	40 - 150		
2,4,5-Trichlorophenol			33.3	24.8		ug/L		74	27 - 136		
2,4,6-Trichlorophenol			33.3	24.5		ug/L		74	21 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*89*		*10 - 150*
Nitrobenzene-d5	*78*		*22 - 150*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*85*		*28 - 150*
2,4,6-Tribromophenol	*94*		*10 - 150*

Lab Sample ID: LCSD 400-728301/26-A
Matrix: Water
Analysis Batch: 728433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 728301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	18.1		ug/L		54	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*25 - 139*
2-Fluorophenol	*86*		*10 - 150*
Nitrobenzene-d5	*79*		*22 - 150*
Phenol-d5	*79*		*10 - 150*
Terphenyl-d14	*83*		*28 - 150*
2,4,6-Tribromophenol	*77*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/17/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave· ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID·
100 N Broadway 20th Floor· ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print). M Massa, T Jenkins

TELEPHONE.	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

REQUESTED ANALYSIS
60771235 – 3.5.2

400-284370 Chain of Custody

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

LAB	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL	FIELD NOTES:
	TB-ROX-101725-8260-SS	10/17/2025	0000	Water	2					2	X				SPLIT REPORT
	TB-ROX-101725-8260SIM-SS	10/17/2025	0000	Water	2					2		X			
	P56-ROX-101725-EB	10/17/2025	0835	Water	6			4		10	X	X	X	X	SPLIT REPORT
	P56-ROX-101725	10/17/2025	1015	Water	6			4		10	X	X	X	X	SPLIT REPORT
	P59-ROX-101725	10/17/2025	1135	Water	6			4		10	X	X	X	X	SPLIT REPORT
	T12-ROX-101725	10/17/2025	1300	Water	6			4		10	X	X	X	X	SPLIT REPORT

10/17/25

Relinquished by· (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4744 8092 6587; 4744 8092 6576	10/17/2025	1600
Relinquished by: (Signature)	Received by· (Signature)	Date: 10/18/25	Time: 942
Relinquished by· (Signature)	Received by· (Signature)	Date:	Time·

Eurofins

CUSTODY SEALS 2698048, 2698049, 2698050, 2698051

0.6°C, 0.0°C IR11

Version: 21July25

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11/3/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284370-1

Login Number: 284370
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C, 0.0°C IR-11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284370-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-284491-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/9/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-728415/1003	VOCs	Bromomethane	**213**	NA	10-150
LCS 400-728415/1003	VOCs	Chloroethane	**151**	NA	55-141

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-727811/1-A	SVOCs	Phenol	1.22 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW24-ROX-102025	SVOCs	Phenol	-	U

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.
Method 8270E (SVOCs) The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at			X	

Sample ID	Parameter	Analyte	Qualification
MW24-ROX-102025	SVOCs	Dimethyl phthalate	UJ
MW24-ROX-102025	SVOCs	2,4-Dinitrophenol	UJ
MW24-ROX-102025	SVOCs	Diethyl phthalate	UJ
MW24-ROX-102025	SVOCs	4,6-Dinitro-ortho-cresol	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/4/2025 6:30:59 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284491-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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11/4/2025 6:30:59 AM

Authorized for release by
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Job Narrative
400-284491-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/21/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.4°C.

GC/MS VOA
Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-724487 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728415 recovered above the upper control limit for Acrolein, Bromomethane and Chloroethane The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728415 recovered outside control limits for the following analytes: Bromomethane and Chloroethane These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-102025-8260 (400-284491-1) and MW24-ROX-102025 (400-284491-3). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-718787 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered above the upper control limit for Quinoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol, Diethyl phthalate and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The method blank for preparation batch 400-727811 and analytical batch 400-728176 contained Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284491-1	TB-ROX-102025-8260	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284491-2	TB-ROX-102025-8260SIM	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284491-3	MW24-ROX-102025	Water	10/20/25 13:35	10/21/25 09:55	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Client Sample ID: TB-ROX-102025-8260 — Lab Sample ID: 400-284491-1

No Detections.

Client Sample ID: TB-ROX-102025-8260SIM — Lab Sample ID: 400-284491-2

No Detections.

Client Sample ID: MW24-ROX-102025 — Lab Sample ID: 400-284491-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	150		1.0	0.50	ug/L	1		8260D	Total/NA
Phenol	10 ~~1.4~~	J B U	10	0.70	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Client Sample ID: TB-ROX-102025-8260
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284491-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 14:44	1
Acrolein	ND		20	3.3	ug/L			10/28/25 14:44	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 14:44	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 14:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 14:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 14:44	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/28/25 14:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 14:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 14:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 14:44	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/28/25 14:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 14:44	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 14:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 14:44	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 14:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 14:44	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 14:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 14:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 14:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 14:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 14:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 14:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 14:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 14:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 14:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 14:44	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 14:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 14:44	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 14:44	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 14:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 14:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 14:44	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 14:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 14:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 14:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 14:44	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 14:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 14:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 14:44	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Client Sample ID: TB-ROX-102025-8260
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284491-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 14:44	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 14:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 14:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 14:44	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 14:44	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 14:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 14:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 14:44	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 14:44	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 14:44	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 14:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 14:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 14:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 14:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 14:44	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 14:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 14:44	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*10/28/25 14:44*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*10/28/25 14:44*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*10/28/25 14:44*	*1*

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-102025-8260SIM
Lab Sample ID: 400-284491-2

Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 07:48	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/30/25 07:48*	*1*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/30/25 07:48*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/30/25 07:48*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Client Sample ID: MW24-ROX-102025

Date Collected: 10/20/25 13:35
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284491-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 08:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/30/25 08:12*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/30/25 08:12*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/30/25 08:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 15:09	1
Acrolein	ND		20	3.3	ug/L			10/28/25 15:09	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 15:09	1
Benzene	**150**		1.0	0.50	ug/L			10/28/25 15:09	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 15:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 15:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 15:09	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/28/25 15:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 15:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 15:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 15:09	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 15:09	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/28/25 15:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 15:09	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 15:09	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 15:09	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 15:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 15:09	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 15:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 15:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 15:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 15:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 15:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 15:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 15:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 15:09	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 15:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 15:09	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 15:09	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 15:09	1

Client Sample ID: MW24-ROX-102025
Date Collected: 10/20/25 13:35
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284491-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 15:09	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:09	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 15:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 15:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 15:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 15:09	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 15:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 15:09	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 15:09	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 15:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 15:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 15:09	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 15:09	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 15:09	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 15:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 15:09	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 15:09	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 15:09	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 15:09	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 15:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 15:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 15:09	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 15:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 15:09	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*56 - 136*		*10/28/25 15:09*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/28/25 15:09*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 15:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 01:38	1
Aniline	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 01:38	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzenethiol	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 01:38	1
Anthracene	ND		0.20	0.075	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzoic acid	ND		100	82	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzyl alcohol	ND		36	31	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/23/25 09:27	10/26/25 01:38	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/23/25 09:27	10/26/25 01:38	1
Bis(2-chloroethyl)ether	ND		10	0.75	ug/L		10/23/25 09:27	10/26/25 01:38	1

Client Sample ID: MW24-ROX-102025
Date Collected: 10/20/25 13:35
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284491-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/23/25 09:27	10/26/25 01:38	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 01:38	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 01:38	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 01:38	1
Chrysene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 01:38	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Chloroaniline	ND		10	0.59	ug/L		10/23/25 09:27	10/26/25 01:38	1
Fluoranthene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Chloro-3-methylphenol	ND		10	0.75	ug/L		10/23/25 09:27	10/26/25 01:38	1
Fluorene	ND		0.20	0.089	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Chlorophenol	ND		10	0.86	ug/L		10/23/25 09:27	10/26/25 01:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 01:38	1
1-Methylnaphthalene	ND		0.20	0.068	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Chlorophenyl phenyl ether	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/23/25 09:27	10/26/25 01:38	1
Dibenz[a,h]acridine	ND		10	0.71	ug/L		10/23/25 09:27	10/26/25 01:38	1
Dibenzofuran	ND		10	0.66	ug/L		10/23/25 09:27	10/26/25 01:38	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/23/25 09:27	10/26/25 01:38	1
Phenanthrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 01:38	1
Pyrene	ND		0.20	0.097	ug/L		10/23/25 09:27	10/26/25 01:38	1
Diethyl phthalate	ND	UJ	10	4.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4-Dimethylphenol	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 01:38	1
Dimethyl phthalate	ND	UJ	10	4.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/23/25 09:27	10/26/25 01:38	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4-Dinitrophenol	ND	UJ	31	4.8	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4-Dinitrotoluene	ND		10	0.67	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/23/25 09:27	10/26/25 01:38	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
1,4-Dioxane	ND		10	4.4	ug/L		10/23/25 09:27	10/26/25 01:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 01:38	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/23/25 09:27	10/26/25 01:38	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/23/25 09:27	10/26/25 01:38	1
Hexachloroethane	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 01:38	1
Indene	ND		10	0.45	ug/L		10/23/25 09:27	10/26/25 01:38	1
Isophorone	ND		10	0.82	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Methylphenol	ND		10	0.78	ug/L		10/23/25 09:27	10/26/25 01:38	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 01:38	1
3-Nitroaniline	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Nitroaniline	ND		10	3.6	ug/L		10/23/25 09:27	10/26/25 01:38	1
Nitrobenzene	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 01:38	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 01:38	1
4-Nitrophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 01:38	1
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/23/25 09:27	10/26/25 01:38	1

Client Sample ID: MW24-ROX-102025
Lab Sample ID: 400-284491-3
Date Collected: 10/20/25 13:35
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 01:38	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 01:38	1
Pentachlorophenol	ND		10	2.9	ug/L		10/23/25 09:27	10/26/25 01:38	1
Phenol	10 ~~1.4 J B~~	U	10	0.70	ug/L		10/23/25 09:27	10/26/25 01:38	1
Pyridine	ND		10	3.1	ug/L		10/23/25 09:27	10/26/25 01:38	1
Quinoline	ND		10	0.51	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/23/25 09:27	10/26/25 01:38	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
Nitrobenzene-d5	*72*		*50 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
Terphenyl-d14	*48*		*43 - 147*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
2-Fluorobiphenyl	*67*		*25 - 139*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
2-Fluorophenol	*65*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
Nitrobenzene-d5	*72*		*22 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
Phenol-d5	*49*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
Terphenyl-d14	*48*		*28 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:38*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284491-1	TB-ROX-102025-8260	108	99	93
400-284491-3	MW24-ROX-102025	111	101	95
LCS 400-728415/1003	Lab Control Sample	99	101	89
MB 400-728415/5	Method Blank	101	102	95

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284491-2	TB-ROX-102025-8260SIM	114	88	83
400-284491-3	MW24-ROX-102025	112	90	81
LCS 400-728732/1001	Lab Control Sample	111	89	83
MB 400-728732/3	Method Blank	112	86	81

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284491-3	MW24-ROX-102025	67	72	48	67	65	72	49	48
LCS 400-727811/2-A	Lab Control Sample	70	72	74	70	87	72	82	74
LCS 400-727811/3-A	Lab Control Sample				67	82	70	75	68
LCSD 400-727811/4-A	Lab Control Sample Dup				69	79	67	74	70
MB 400-727811/1-A	Method Blank	70	74	77	70	71	74	56	77

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284491-3	MW24-ROX-102025	75
LCS 400-727811/2-A	Lab Control Sample	87
LCS 400-727811/3-A	Lab Control Sample	80
LCSD 400-727811/4-A	Lab Control Sample Dup	80
MB 400-727811/1-A	Method Blank	88

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5

Surrogate Summary

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-102025-8260
Lab Sample ID: 400-284491-1
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 14:44	RSG	EET PEN

Client Sample ID: TB-ROX-102025-8260SIM
Lab Sample ID: 400-284491-2
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 07:48	WPD	EET PEN

Client Sample ID: MW24-ROX-102025
Lab Sample ID: 400-284491-3
Date Collected: 10/20/25 13:35
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 15:09	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 08:12	WPD	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/26/25 01:38	S1B	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 01:38	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727811/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 22:37	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 22:37	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728415/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 10:14	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728732/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 07:25	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 23:07	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:07	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:37	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728415/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 09:08	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728732/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 06:27	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727811/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 00:07	S1B	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284491-1

GC/MS VOA

Analysis Batch: 728415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284491-1	TB-ROX-102025-8260	Total/NA	Water	8260D	
400-284491-3	MW24-ROX-102025	Total/NA	Water	8260D	
MB 400-728415/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728415/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284491-2	TB-ROX-102025-8260SIM	Total/NA	Water	8260D SIM	
400-284491-3	MW24-ROX-102025	Total/NA	Water	8260D SIM	
MB 400-728732/3	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728732/1001	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 727811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284491-3	MW24-ROX-102025	Total/NA	Water	3511	
MB 400-727811/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284491-3	MW24-ROX-102025	Total/NA	Water	8270E	727811
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284491-3	MW24-ROX-102025	Total/NA	Water	8270E	727811
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	727811

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 10:14	1
Acrolein	ND		20	3.3	ug/L			10/28/25 10:14	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 10:14	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 10:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 10:14	1
Bromomethane	ND		1.0	0.98	ug/L			10/28/25 10:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 10:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 10:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 10:14	1
Chloroethane	ND		1.0	0.76	ug/L			10/28/25 10:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 10:14	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 10:14	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 10:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 10:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 10:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 10:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 10:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 10:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 10:14	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 10:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 10:14	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 10:14	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 10:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 10:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 10:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 10:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 10:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 10:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 10:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 10:14	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 10:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 10:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 10:14	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 10:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 10:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 10:14	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 10:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 10:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 10:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 10:14	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 10:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/28/25 10:14*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 10:14*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 10:14*	*1*

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	274		ug/L		137	43 - 150
Acrolein	500	660		ug/L		132	38 - 150
Acrylonitrile	500	554		ug/L		111	64 - 142
Benzene	50.0	55.6		ug/L		111	70 - 130
Bromobenzene	50.0	48.5		ug/L		97	70 - 132
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	50.0	106	*+	ug/L		213	10 - 150
2-Butanone (MEK)	200	277		ug/L		139	61 - 145
Carbon disulfide	50.0	50.3		ug/L		101	61 - 137
Carbon tetrachloride	50.0	50.5		ug/L		101	61 - 137
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Chloroethane	50.0	75.6	*+	ug/L		151	55 - 141
2-Chloroethyl vinyl ether	50.0	48.7		ug/L		97	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	54.8		ug/L		110	69 - 130
1-Chlorohexane	50.0	52.8		ug/L		106	69 - 130
Chloromethane	50.0	45.8		ug/L		92	58 - 137
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	69 - 132
Dibromochloromethane	50.0	45.5		ug/L		91	67 - 135
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	67 - 130
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	66.9		ug/L		134	41 - 146
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	57.7		ug/L		115	69 - 130
1,1-Dichloroethene	50.0	49.4		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	58.4		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.1		ug/L		102	52 - 135
1,1-Dichloropropene	50.0	53.3		ug/L		107	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Ethyl methacrylate	50.0	45.1		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	51.6		ug/L		103	53 - 140
2-Hexanone	200	244		ug/L		122	65 - 137
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	48.1		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	232		ug/L		116	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	58.2		ug/L		116	67 - 130
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130
o-Chlorotoluene	50.0	56.4		ug/L		113	70 - 130
o-Xylene	50.0	49.4		ug/L		99	70 - 130
p-Chlorotoluene	50.0	55.1		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	52.9		ug/L		106	65 - 130
sec-Butylbenzene	50.0	54.0		ug/L		108	66 - 130
Styrene	50.0	48.8		ug/L		98	70 - 130
tert-Butylbenzene	50.0	53.0		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 131
Tetrachloroethene	50.0	42.5		ug/L		85	65 - 130
Toluene	50.0	46.7		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	47.2		ug/L		94	63 - 130
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	60 - 138
1,2,4-Trichlorobenzene	50.0	48.3		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.7		ug/L		107	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
Vinyl acetate	100	116		ug/L		116	26 - 150
Vinyl chloride	50.0	52.8		ug/L		106	59 - 136
Xylenes, Total	100	98.1		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728732/3
Matrix: Water
Analysis Batch: 728732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 07:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 07:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/30/25 07:25*	*1*
Toluene-d8 (Surr)	*86*		*50 - 150*		*10/30/25 07:25*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/30/25 07:25*	*1*

Lab Sample ID: LCS 400-728732/1001
Matrix: Water
Analysis Batch: 728732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.411		ug/L		82	50 - 150
1,2-Dibromoethane	0.500	0.542		ug/L		108	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*83*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:26	10/25/25 22:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/23/25 09:26	10/25/25 22:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:26	10/25/25 22:37	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:26	10/25/25 22:37	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:26	10/25/25 22:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:26	10/25/25 22:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:26	10/25/25 22:37	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:26	10/25/25 22:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indene	ND		10	0.44	ug/L		10/23/25 09:26	10/25/25 22:37	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:26	10/25/25 22:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:26	10/25/25 22:37	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:26	10/25/25 22:37	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenol	1.22	J	10	0.68	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:26	10/25/25 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*22 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Phenol-d5	*56*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*28 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.3		ug/L		70	29 - 150
Aniline	33.3	25.4		ug/L		76	10 - 134
Acenaphthylene	33.3	23.9		ug/L		72	30 - 150
Anthracene	33.3	26.6		ug/L		80	31 - 150
Benzoic acid	143	142		ug/L		99	10 - 180
Benzo[a]anthracene	33.3	25.8		ug/L		77	36 - 150
Benzyl alcohol	33.3	ND		ug/L		82	10 - 150
Benzo[a]pyrene	33.3	25.4		ug/L		76	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.9		ug/L		84	34 - 120
Benzo[b]fluoranthene	33.3	27.7		ug/L		83	32 - 150
Bis(2-chloroethyl)ether	33.3	24.0		ug/L		72	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	25.0		ug/L		75	28 - 150
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	24.3		ug/L		73	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	27.7		ug/L		83	24 - 133
4-Bromophenyl phenyl ether	33.3	27.0		ug/L		81	24 - 120
Chrysene	33.3	25.7		ug/L		77	34 - 150
Butyl benzyl phthalate	33.3	22.3		ug/L		67	24 - 140
Dibenz(a,h)anthracene	33.3	23.8		ug/L		71	29 - 150
4-Chloroaniline	33.3	30.8		ug/L		92	10 - 150
Fluoranthene	33.3	26.8		ug/L		80	30 - 150
4-Chloro-3-methylphenol	33.3	28.6		ug/L		86	10 - 137
Fluorene	33.3	24.6		ug/L		74	30 - 150
2-Chloronaphthalene	33.3	18.7		ug/L		56	10 - 150
2-Chlorophenol	33.3	27.4		ug/L		82	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	22.4		ug/L		67	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	23.5		ug/L		71	31 - 110
2-Methylnaphthalene	33.3	22.6		ug/L		68	24 - 150
Dibenz[a,h]acridine	33.3	26.6		ug/L		80	40 - 150
Dibenzofuran	33.3	23.8		ug/L		72	35 - 110
3,3'-Dichlorobenzidine	66.7	34.6		ug/L		52	10 - 150
Phenanthrene	33.3	26.0		ug/L		78	32 - 150
2,4-Dichlorophenol	33.3	25.8		ug/L		77	30 - 125
Pyrene	33.3	27.5		ug/L		83	30 - 150
Diethyl phthalate	33.3	18.5		ug/L		55	31 - 118
2,4-Dimethylphenol	33.3	24.7		ug/L		74	10 - 142
Dimethyl phthalate	33.3	16.8		ug/L		50	24 - 125
Di-n-butyl phthalate	33.3	25.0		ug/L		75	30 - 127
4,6-Dinitro-ortho-cresol	66.7	40.2		ug/L		60	10 - 150
2,4-Dinitrophenol	66.7	32.6		ug/L		49	10 - 150
2,4-Dinitrotoluene	33.3	27.8		ug/L		83	30 - 129
2,6-Dinitrotoluene	33.3	28.9		ug/L		87	34 - 132
Di-n-octyl phthalate	33.3	25.8		ug/L		77	28 - 142
1,4-Dioxane	33.3	28.7		ug/L		86	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.3		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.1		ug/L		78	29 - 113
Hexachlorocyclopentadiene	33.3	15.9	J	ug/L		48	10 - 150
Hexachloroethane	33.3	18.8		ug/L		56	10 - 112
Indene	33.3	18.3		ug/L		55	10 - 113
Isophorone	33.3	25.6		ug/L		77	29 - 125
2-Methylphenol	33.3	28.6		ug/L		86	11 - 121
3 & 4 Methylphenol	33.3	28.4		ug/L		85	10 - 150
2-Nitroaniline	33.3	27.8		ug/L		83	31 - 141
3-Nitroaniline	33.3	27.7		ug/L		83	33 - 136
4-Nitroaniline	33.3	24.8		ug/L		74	37 - 139
Nitrobenzene	33.3	24.6		ug/L		74	29 - 129
2-Nitrophenol	33.3	25.9		ug/L		78	31 - 142
4-Nitrophenol	66.7	69.6		ug/L		104	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	26.7		ug/L		80	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.7		ug/L		80	50 - 134
N-Nitrosodiphenylamine	33.1	26.5		ug/L		80	50 - 132
Pentachlorophenol	66.7	54.8		ug/L		82	14 - 150
Phenol	33.3	31.2		ug/L		93	10 - 150
Pyridine	66.7	56.1		ug/L		84	10 - 150
Quinoline	33.3	27.0		ug/L		81	40 - 150
2,4,5-Trichlorophenol	33.3	25.5		ug/L		76	27 - 136
2,4,6-Trichlorophenol	33.3	24.4		ug/L		73	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*72*		*50 - 150*
Terphenyl-d14	*74*		*43 - 147*
2-Fluorobiphenyl	*70*		*25 - 139*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*72*		*22 - 150*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: LCS 400-727811/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	18.4		ug/L		55	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*25 - 139*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*70*		*22 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*68*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Lab Sample ID: LCSD 400-727811/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol	33.3	19.7		ug/L		59	10 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*79*		*10 - 150*
Nitrobenzene-d5	*67*		*22 - 150*
Phenol-d5	*74*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727811/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727811

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	*70*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola, 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/20/2025
PO #	GSAP Project ID	PAGE 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE.
AECOM	

SITE ADDRESS: Street and City	State	AECOM Project / Task Number
900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N. Broadway 20th Floor ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): M Massa, T Jenkins

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-102025-8260	10/20/2025	0000	Water	2					2	X			
	TB-ROX-102025-8260SIM	10/20/2025	0000	Water	2					2		X		
	MW24-ROX-102025	10/20/2025	1335	Water	6			4		10	X	X	X	X

10/20/25

400-284491 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4744 8092 6565; 4234 9608 5720	10/20/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Eurofins	Date: 10/21/25	Time: 955
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698052, 2698053, 2698054, 2698055

0.4°C / IR10 0.0°C IR10

11/4/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284491-1

Login Number: 284491
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4°C, 0.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284491-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-284503-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/10/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-728415/1003	VOCs	Bromomethane	**213**	NA	10-150
LCS 400-728415/1003	VOCs	Chloroethane	**151**	NA	55-141
LCS 400-728746/1003	VOCs	Bromomethane	**195**	NA	10-150
LCS 400-728746/1003	VOCs	2-Butanone (MEK)	**156**	NA	61-145
LCS 400-728746/1003	VOCs	Chloroethane	**143**	NA	55-141
LCS 400-728746/1003	VOCs	Dichlorodifluoromethane	**156**	NA	41-146

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-727811/1-A	SVOCs	Phenol	1.22 ug/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P93C-ROX-102025	SVOCs	Phenol	-	U

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Analytes were detected in samples that required dilution with the exception of P93A-ROX-102025 and P93B-ROX-102025. All VOCs by 8260D SIM from these samples were qualified estimated (UJ).					
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-102025	SVOCs	Dimethyl phthalate	UJ
P93C-ROX-102025	SVOCs	2,4-Dinitrophenol	UJ
P93C-ROX-102025	SVOCs	4,6-Dinitro-ortho-cresol	UJ
P93A-ROX-102025	SVOCs	Dimethyl phthalate	UJ
P93A-ROX-102025	SVOCs	2,4-Dinitrophenol	UJ
P93A-ROX-102025	SVOCs	4,6-Dinitro-ortho-cresol	UJ
P93B-ROX-102025	SVOCs	Dimethyl phthalate	UJ
P93B-ROX-102025	SVOCs	2,4-Dinitrophenol	UJ
P93B-ROX-102025	SVOCs	4,6-Dinitro-ortho-cresol	UJ
P93D-ROX-102025	SVOCs	Dimethyl phthalate	UJ
P93D-ROX-102025	SVOCs	2,4-Dinitrophenol	UJ
P93D-ROX-102025	SVOCs	4,6-Dinitro-ortho-cresol	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	instrument response data was reviewed.				
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/3/2025 11:40:56 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284503-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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11/3/2025 11:40:56 AM

Authorized for release by
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Job Narrative
400-284503-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/21/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 0.4°C.

GC/MS VOA
Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-724487 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728415 recovered above the upper control limit for Acrolein, Bromomethane and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728415 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-102025-8260-SS (400-284503-1), P93A-ROX-102025 (400-284503-4) and P93D-ROX-102025 (400-284503-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93A-ROX-102025 (400-284503-4). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93A-ROX-102025 (400-284503-4) and P93B-ROX-102025 (400-284503-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728746 recovered outside control limits for the following analytes: Bromomethane, 2-Butanone (MEK), Chloroethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: P93C-ROX-102025 (400-284503-3) and P93B-ROX-102025 (400-284503-5). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260D_SIM: The following samples were diluted due to the abundance of non-target analytes: P93A-ROX-102025 (400-284503-4) and P93B-ROX-102025 (400-284503-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_QQQ: The method blank for preparation batch 400-727811 and analytical batch 400-728176 contained Phenol

above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728221 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728221 recovered above the upper control limit for Quinoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93A-ROX-102025 (400-284503-4) and P93B-ROX-102025 (400-284503-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284503-1	TB-ROX-102025-8260-SS	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284503-2	TB-ROX-102025-8260SIM-SS	Water	10/20/25 00:00	10/21/25 09:55	Illinois
400-284503-3	P93C-ROX-102025	Water	10/20/25 09:40	10/21/25 09:55	Illinois
400-284503-4	P93A-ROX-102025	Water	10/20/25 10:55	10/21/25 09:55	Illinois
400-284503-5	P93B-ROX-102025	Water	10/20/25 11:45	10/21/25 09:55	Illinois
400-284503-6	P93D-ROX-102025	Water	10/20/25 12:20	10/21/25 09:55	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: TB-ROX-102025-8260-SS — Lab Sample ID: 400-284503-1

No Detections.

Client Sample ID: TB-ROX-102025-8260SIM-SS — Lab Sample ID: 400-284503-2

No Detections.

Client Sample ID: P93C-ROX-102025 — Lab Sample ID: 400-284503-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.86	J	1.0	0.50	ug/L	1		8260D	Total/NA
Phenol	0.85	J B U	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P93A-ROX-102025 — Lab Sample ID: 400-284503-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48000		200	100	ug/L	200		8260D	Total/NA
1-Methylnaphthalene	2.1		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.18	J	0.20	0.077	ug/L	1		8270E	Total/NA
Phenol - DL	240	B	100	6.8	ug/L	10		8270E	Total/NA

Client Sample ID: P93B-ROX-102025 — Lab Sample ID: 400-284503-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	600000		5000	2500	ug/L	5000		8260D	Total/NA
1-Methylnaphthalene	0.16	J	0.20	0.067	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.12	J	0.20	0.078	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	1.5	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	0.76	J	10	0.44	ug/L	1		8270E	Total/NA
Phenol - DL	180	B	100	6.9	ug/L	10		8270E	Total/NA

Client Sample ID: P93D-ROX-102025 — Lab Sample ID: 400-284503-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.59	J	1.0	0.22	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: TB-ROX-102025-8260-SS
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 15:59	1
Acrolein	ND		20	3.3	ug/L			10/28/25 15:59	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 15:59	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 15:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 15:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 15:59	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/28/25 15:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 15:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 15:59	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 15:59	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/28/25 15:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 15:59	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 15:59	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 15:59	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 15:59	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 15:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 15:59	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 15:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 15:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 15:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 15:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 15:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 15:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 15:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 15:59	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 15:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 15:59	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 15:59	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 15:59	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 15:59	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:59	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 15:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 15:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 15:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 15:59	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 15:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 15:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 15:59	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: TB-ROX-102025-8260-SS
Date Collected: 10/20/25 00:00
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 15:59	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 15:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 15:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 15:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 15:59	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 15:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 15:59	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 15:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 15:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 15:59	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 15:59	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 15:59	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 15:59	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 15:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 15:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 15:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 15:59	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 15:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 15:59	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/28/25 15:59*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*10/28/25 15:59*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*10/28/25 15:59*	*1*

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-102025-8260SIM-SS
Lab Sample ID: 400-284503-2
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 12:52	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*118*		*50 - 150*		*10/30/25 12:52*	*1*
Toluene-d8 (Surr)	*87*		*50 - 150*		*10/30/25 12:52*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/30/25 12:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: P93C-ROX-102025

Date Collected: 10/20/25 09:40
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 08:58	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*115*		*50 - 150*		*10/30/25 08:58*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/30/25 08:58*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/30/25 08:58*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/30/25 20:32	1
Acrolein	ND		20	3.3	ug/L			10/30/25 20:32	1
Acrylonitrile	ND		10	2.8	ug/L			10/30/25 20:32	1
Benzene	**0.86**	**J**	1.0	0.50	ug/L			10/30/25 20:32	1
Bromobenzene	ND		1.0	0.54	ug/L			10/30/25 20:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/30/25 20:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Bromoform	ND		5.0	0.25	ug/L			10/30/25 20:32	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/30/25 20:32	1
2-Butanone (MEK)	ND	*+	25	2.6	ug/L			10/30/25 20:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/30/25 20:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/30/25 20:32	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/30/25 20:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/30/25 20:32	1
Chloroform	ND		1.0	0.90	ug/L			10/30/25 20:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/30/25 20:32	1
Chloromethane	ND		1.0	0.40	ug/L			10/30/25 20:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/30/25 20:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/30/25 20:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/30/25 20:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/30/25 20:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/30/25 20:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/30/25 20:32	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			10/30/25 20:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/30/25 20:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 20:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/30/25 20:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/30/25 20:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/30/25 20:32	1
2-Hexanone	ND		25	4.3	ug/L			10/30/25 20:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/30/25 20:32	1
Methylene bromide	ND		5.0	0.22	ug/L			10/30/25 20:32	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/30/25 20:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/30/25 20:32	1

Client Sample ID: P93C-ROX-102025

Date Collected: 10/20/25 09:40
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/30/25 20:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 20:32	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 20:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/30/25 20:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/30/25 20:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/30/25 20:32	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 20:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/30/25 20:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/30/25 20:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/30/25 20:32	1
Styrene	ND		1.0	1.0	ug/L			10/30/25 20:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/30/25 20:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/30/25 20:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/30/25 20:32	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 20:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 20:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/30/25 20:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/30/25 20:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/30/25 20:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/30/25 20:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/30/25 20:32	1
Trichloroethene	ND		1.0	0.15	ug/L			10/30/25 20:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/30/25 20:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/30/25 20:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/30/25 20:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/30/25 20:32	1
Vinyl acetate	ND		25	0.93	ug/L			10/30/25 20:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/30/25 20:32	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/30/25 20:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*10/30/25 20:32*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*10/30/25 20:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:27	10/26/25 15:57	1
Aniline	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 15:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 15:57	1
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 15:57	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:27	10/26/25 15:57	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 15:57	1

Client Sample ID: P93C-ROX-102025
Date Collected: 10/20/25 09:40
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:27	10/26/25 15:57	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 15:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 15:57	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 15:57	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:27	10/26/25 15:57	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 15:57	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 15:57	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:27	10/26/25 15:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 15:57	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:27	10/26/25 15:57	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 15:57	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:27	10/26/25 15:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:27	10/26/25 15:57	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:27	10/26/25 15:57	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:27	10/26/25 15:57	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 15:57	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:27	10/26/25 15:57	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:27	10/26/25 15:57	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:27	10/26/25 15:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 15:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 15:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:27	10/26/25 15:57	1
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:27	10/26/25 15:57	1
Indene	ND		10	0.44	ug/L		10/23/25 09:27	10/26/25 15:57	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 15:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 15:57	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:27	10/26/25 15:57	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 15:57	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 15:57	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:27	10/26/25 15:57	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 15:57	1

Client Sample ID: P93C-ROX-102025
Lab Sample ID: 400-284503-3
Date Collected: 10/20/25 09:40
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:27	10/26/25 15:57	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 15:57	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 15:57	1
Phenol	10 ~~0.85 J B~~	U	10	0.68	ug/L		10/23/25 09:27	10/26/25 15:57	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:27	10/26/25 15:57	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 15:57	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Terphenyl-d14	*52*		*43 - 147*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2-Fluorophenol	*75*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Nitrobenzene-d5	*75*		*22 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Phenol-d5	*63*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
Terphenyl-d14	*52*		*28 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*10/23/25 09:27*	*10/26/25 15:57*	*1*

Client Sample ID: P93A-ROX-102025
Date Collected: 10/20/25 10:55
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.50	0.40	ug/L			10/30/25 10:32	25
1,2-Dibromoethane	ND	UJ	0.50	0.25	ug/L			10/30/25 10:32	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/30/25 10:32*	*25*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/30/25 10:32*	*25*
4-Bromofluorobenzene	*79*		*50 - 150*		*10/30/25 10:32*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5000	2000	ug/L			10/28/25 19:20	200
Acrolein	ND		4000	660	ug/L			10/28/25 19:20	200
Acrylonitrile	ND		2000	560	ug/L			10/28/25 19:20	200
Benzene	**48000**		200	100	ug/L			10/28/25 19:20	200
Bromobenzene	ND		200	110	ug/L			10/28/25 19:20	200
Bromochloromethane	ND		200	100	ug/L			10/28/25 19:20	200
Bromodichloromethane	ND		200	100	ug/L			10/28/25 19:20	200
Bromoform	ND		1000	50	ug/L			10/28/25 19:20	200
Bromomethane	ND	*+	200	200	ug/L			10/28/25 19:20	200
2-Butanone (MEK)	ND		5000	520	ug/L			10/28/25 19:20	200
Carbon disulfide	ND		200	100	ug/L			10/28/25 19:20	200
Carbon tetrachloride	ND		200	38	ug/L			10/28/25 19:20	200
Chlorobenzene	ND		200	84	ug/L			10/28/25 19:20	200
Chloroethane	ND	*+	200	150	ug/L			10/28/25 19:20	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			10/28/25 19:20	200
Chloroform	ND		200	180	ug/L			10/28/25 19:20	200
1-Chlorohexane	ND		200	64	ug/L			10/28/25 19:20	200
Chloromethane	ND		200	80	ug/L			10/28/25 19:20	200
cis-1,2-Dichloroethene	ND		200	40	ug/L			10/28/25 19:20	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			10/28/25 19:20	200
Dibromochloromethane	ND		200	48	ug/L			10/28/25 19:20	200
1,2-Dichlorobenzene	ND		200	100	ug/L			10/28/25 19:20	200
1,3-Dichlorobenzene	ND		200	110	ug/L			10/28/25 19:20	200
1,4-Dichlorobenzene	ND		200	130	ug/L			10/28/25 19:20	200
Dichlorodifluoromethane	ND		200	170	ug/L			10/28/25 19:20	200
1,1-Dichloroethane	ND		200	100	ug/L			10/28/25 19:20	200
1,2-Dichloroethane	ND		200	110	ug/L			10/28/25 19:20	200
1,1-Dichloroethene	ND		200	100	ug/L			10/28/25 19:20	200
1,2-Dichloropropane	ND		200	100	ug/L			10/28/25 19:20	200
1,3-Dichloropropane	ND		200	100	ug/L			10/28/25 19:20	200
2,2-Dichloropropane	ND		200	100	ug/L			10/28/25 19:20	200
1,1-Dichloropropene	ND		200	18	ug/L			10/28/25 19:20	200
Ethylbenzene	ND		200	100	ug/L			10/28/25 19:20	200
Ethyl methacrylate	ND		200	120	ug/L			10/28/25 19:20	200
Hexachlorobutadiene	ND		1000	180	ug/L			10/28/25 19:20	200
2-Hexanone	ND		5000	850	ug/L			10/28/25 19:20	200
Isopropylbenzene	ND		200	110	ug/L			10/28/25 19:20	200
Methylene bromide	ND		1000	44	ug/L			10/28/25 19:20	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			10/28/25 19:20	200
Methyl tert-butyl ether	ND		200	44	ug/L			10/28/25 19:20	200

Client Sample ID: P93A-ROX-102025
Date Collected: 10/20/25 10:55
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1000	600	ug/L			10/28/25 19:20	200
Naphthalene	ND		1000	600	ug/L			10/28/25 19:20	200
n-Butylbenzene	ND		200	150	ug/L			10/28/25 19:20	200
N-Propylbenzene	ND		200	140	ug/L			10/28/25 19:20	200
o-Chlorotoluene	ND		200	110	ug/L			10/28/25 19:20	200
o-Xylene	ND		1000	600	ug/L			10/28/25 19:20	200
p-Chlorotoluene	ND		200	110	ug/L			10/28/25 19:20	200
p-Isopropyltoluene	ND		200	140	ug/L			10/28/25 19:20	200
sec-Butylbenzene	ND		200	140	ug/L			10/28/25 19:20	200
Styrene	ND		200	200	ug/L			10/28/25 19:20	200
tert-Butylbenzene	ND		200	130	ug/L			10/28/25 19:20	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			10/28/25 19:20	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			10/28/25 19:20	200
Tetrachloroethene	ND		200	66	ug/L			10/28/25 19:20	200
Toluene	ND		200	180	ug/L			10/28/25 19:20	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			10/28/25 19:20	200
trans-1,3-Dichloropropene	ND		1000	40	ug/L			10/28/25 19:20	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			10/28/25 19:20	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			10/28/25 19:20	200
1,1,1-Trichloroethane	ND		200	36	ug/L			10/28/25 19:20	200
1,1,2-Trichloroethane	ND		1000	42	ug/L			10/28/25 19:20	200
Trichloroethene	ND		200	30	ug/L			10/28/25 19:20	200
Trichlorofluoromethane	ND		200	50	ug/L			10/28/25 19:20	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			10/28/25 19:20	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			10/28/25 19:20	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			10/28/25 19:20	200
Vinyl acetate	ND		5000	190	ug/L			10/28/25 19:20	200
Vinyl chloride	ND		200	100	ug/L			10/28/25 19:20	200
Xylenes, Total	ND		2000	1200	ug/L			10/28/25 19:20	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*10/28/25 19:20*	*200*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 19:20*	*200*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 19:20*	*200*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1000	800	ug/L			10/30/25 20:57	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/30/25 20:57*	*200*
Dibromofluoromethane	*99*		*79 - 130*		*10/30/25 20:57*	*200*
Toluene-d8 (Surr)	*97*		*64 - 132*		*10/30/25 20:57*	*200*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:27	10/26/25 16:27	1
Aniline	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 16:27	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 16:27	1

Client Sample ID: P93A-ROX-102025
Date Collected: 10/20/25 10:55
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 16:27	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:27	10/26/25 16:27	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:27	10/26/25 16:27	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 16:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 16:27	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 16:27	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:27	10/26/25 16:27	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 16:27	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 16:27	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:27	10/26/25 16:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 16:27	1
1-Methylnaphthalene	**2.1**		0.20	0.066	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Methylnaphthalene	**0.18**	**J**	0.20	0.077	ug/L		10/23/25 09:27	10/26/25 16:27	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 16:27	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:27	10/26/25 16:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:27	10/26/25 16:27	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:27	10/26/25 16:27	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:27	10/26/25 16:27	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 16:27	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:27	10/26/25 16:27	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:27	10/26/25 16:27	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:27	10/26/25 16:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 16:27	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 16:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:27	10/26/25 16:27	1
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:27	10/26/25 16:27	1
Indene	ND		10	0.44	ug/L		10/23/25 09:27	10/26/25 16:27	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 16:27	1

Client Sample ID: P93A-ROX-102025
Date Collected: 10/20/25 10:55
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 16:27	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:27	10/26/25 16:27	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 16:27	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 16:27	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:27	10/26/25 16:27	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 16:27	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:27	10/26/25 16:27	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 16:27	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 16:27	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:27	10/26/25 16:27	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 16:27	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Nitrobenzene-d5	*70*		*50 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Terphenyl-d14	*48*		*43 - 147*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2-Fluorobiphenyl	*69*		*25 - 139*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2-Fluorophenol	*85*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Nitrobenzene-d5	*70*		*22 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Phenol-d5	*79*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
Terphenyl-d14	*48*		*28 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*
2,4,6-Tribromophenol	*93*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**240**	**B**	100	6.8	ug/L		10/23/25 09:27	10/28/25 18:15	10

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: P93B-ROX-102025
Date Collected: 10/20/25 11:45
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-5
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	20	16	ug/L			10/30/25 10:55	1000
1,2-Dibromoethane	ND	UJ	20	10	ug/L			10/30/25 10:55	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*114*		*50 - 150*		*10/30/25 10:55*	*1000*
Toluene-d8 (Surr)	*88*		*50 - 150*		*10/30/25 10:55*	*1000*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/30/25 10:55*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			10/30/25 21:22	5000
Acrolein	ND		100000	17000	ug/L			10/30/25 21:22	5000
Acrylonitrile	ND		50000	14000	ug/L			10/30/25 21:22	5000
Benzene	**600000**		5000	2500	ug/L			10/30/25 21:22	5000
Bromobenzene	ND		5000	2700	ug/L			10/30/25 21:22	5000
Bromochloromethane	ND		5000	2600	ug/L			10/30/25 21:22	5000
Bromodichloromethane	ND		5000	2500	ug/L			10/30/25 21:22	5000
Bromoform	ND		25000	1300	ug/L			10/30/25 21:22	5000
Bromomethane	ND	*+	5000	4900	ug/L			10/30/25 21:22	5000
2-Butanone (MEK)	ND	*+	130000	13000	ug/L			10/30/25 21:22	5000
Carbon disulfide	ND		5000	2500	ug/L			10/30/25 21:22	5000
Carbon tetrachloride	ND		5000	950	ug/L			10/30/25 21:22	5000
Chlorobenzene	ND		5000	2100	ug/L			10/30/25 21:22	5000
Chloroethane	ND	*+	5000	3800	ug/L			10/30/25 21:22	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			10/30/25 21:22	5000
Chloroform	ND		5000	4500	ug/L			10/30/25 21:22	5000
1-Chlorohexane	ND		5000	1600	ug/L			10/30/25 21:22	5000
Chloromethane	ND		5000	2000	ug/L			10/30/25 21:22	5000
cis-1,2-Dichloroethene	ND		5000	1000	ug/L			10/30/25 21:22	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			10/30/25 21:22	5000
Dibromochloromethane	ND		5000	1200	ug/L			10/30/25 21:22	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			10/30/25 21:22	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			10/30/25 21:22	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			10/30/25 21:22	5000
Dichlorodifluoromethane	ND	*+	5000	4300	ug/L			10/30/25 21:22	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			10/30/25 21:22	5000
1,2-Dichloroethane	ND		5000	2800	ug/L			10/30/25 21:22	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			10/30/25 21:22	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			10/30/25 21:22	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			10/30/25 21:22	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			10/30/25 21:22	5000
1,1-Dichloropropene	ND		5000	450	ug/L			10/30/25 21:22	5000
Ethylbenzene	ND		5000	2500	ug/L			10/30/25 21:22	5000
Ethyl methacrylate	ND		5000	3000	ug/L			10/30/25 21:22	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			10/30/25 21:22	5000
2-Hexanone	ND		130000	21000	ug/L			10/30/25 21:22	5000
Isopropylbenzene	ND		5000	2700	ug/L			10/30/25 21:22	5000
Methylene bromide	ND		25000	1100	ug/L			10/30/25 21:22	5000
Methylene Chloride	ND		25000	20000	ug/L			10/30/25 21:22	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			10/30/25 21:22	5000

Client Sample ID: P93B-ROX-102025
Date Collected: 10/20/25 11:45
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5000	1100	ug/L			10/30/25 21:22	5000
m-Xylene & p-Xylene	ND		25000	15000	ug/L			10/30/25 21:22	5000
Naphthalene	ND		25000	15000	ug/L			10/30/25 21:22	5000
n-Butylbenzene	ND		5000	3800	ug/L			10/30/25 21:22	5000
N-Propylbenzene	ND		5000	3500	ug/L			10/30/25 21:22	5000
o-Chlorotoluene	ND		5000	2900	ug/L			10/30/25 21:22	5000
o-Xylene	ND		25000	15000	ug/L			10/30/25 21:22	5000
p-Chlorotoluene	ND		5000	2800	ug/L			10/30/25 21:22	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			10/30/25 21:22	5000
sec-Butylbenzene	ND		5000	3500	ug/L			10/30/25 21:22	5000
Styrene	ND		5000	5000	ug/L			10/30/25 21:22	5000
tert-Butylbenzene	ND		5000	3200	ug/L			10/30/25 21:22	5000
1,1,1,2-Tetrachloroethane	ND		5000	1900	ug/L			10/30/25 21:22	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			10/30/25 21:22	5000
Tetrachloroethene	ND		5000	1700	ug/L			10/30/25 21:22	5000
Toluene	ND		5000	4500	ug/L			10/30/25 21:22	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			10/30/25 21:22	5000
trans-1,3-Dichloropropene	ND		25000	1000	ug/L			10/30/25 21:22	5000
1,2,3-Trichlorobenzene	ND		5000	4500	ug/L			10/30/25 21:22	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			10/30/25 21:22	5000
1,1,1-Trichloroethane	ND		5000	900	ug/L			10/30/25 21:22	5000
1,1,2-Trichloroethane	ND		25000	1100	ug/L			10/30/25 21:22	5000
Trichloroethene	ND		5000	750	ug/L			10/30/25 21:22	5000
Trichlorofluoromethane	ND		5000	1300	ug/L			10/30/25 21:22	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			10/30/25 21:22	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			10/30/25 21:22	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			10/30/25 21:22	5000
Vinyl acetate	ND		130000	4700	ug/L			10/30/25 21:22	5000
Vinyl chloride	ND		5000	2500	ug/L			10/30/25 21:22	5000
Xylenes, Total	ND		50000	30000	ug/L			10/30/25 21:22	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/30/25 21:22*	*5000*
Dibromofluoromethane	*98*		*79 - 130*		*10/30/25 21:22*	*5000*
Toluene-d8 (Surr)	*93*		*64 - 132*		*10/30/25 21:22*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		10/23/25 09:27	10/26/25 16:57	1
Aniline	ND		10	0.75	ug/L		10/23/25 09:27	10/26/25 16:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzenethiol	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 16:57	1
Anthracene	ND		0.20	0.074	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzoic acid	ND		100	81	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 16:57	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:27	10/26/25 16:57	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 16:57	1

Client Sample ID: P93B-ROX-102025
Date Collected: 10/20/25 11:45
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/23/25 09:27	10/26/25 16:57	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		10/23/25 09:27	10/26/25 16:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 16:57	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 16:57	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:27	10/26/25 16:57	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Chloroaniline	ND		10	0.59	ug/L		10/23/25 09:27	10/26/25 16:57	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 16:57	1
Fluorene	ND		0.20	0.088	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Chlorophenol	ND		10	0.85	ug/L		10/23/25 09:27	10/26/25 16:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 16:57	1
1-Methylnaphthalene	**0.16**	**J**	0.20	0.067	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Methylnaphthalene	**0.12**	**J**	0.20	0.078	ug/L		10/23/25 09:27	10/26/25 16:57	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/23/25 09:27	10/26/25 16:57	1
Dibenzofuran	ND		10	0.65	ug/L		10/23/25 09:27	10/26/25 16:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:27	10/26/25 16:57	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 16:57	1
Pyrene	ND		0.20	0.096	ug/L		10/23/25 09:27	10/26/25 16:57	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4-Dimethylphenol	**1.5**	**J**	10	0.24	ug/L		10/23/25 09:27	10/26/25 16:57	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
Di-n-butyl phthalate	ND		10	8.3	ug/L		10/23/25 09:27	10/26/25 16:57	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:27	10/26/25 16:57	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:27	10/26/25 16:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		10/23/25 09:27	10/26/25 16:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 16:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:27	10/26/25 16:57	1
Hexachloroethane	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 16:57	1
Indene	**0.76**	**J**	10	0.44	ug/L		10/23/25 09:27	10/26/25 16:57	1
Isophorone	ND		10	0.81	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Methylphenol	ND		10	0.77	ug/L		10/23/25 09:27	10/26/25 16:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 16:57	1
3-Nitroaniline	ND		10	0.96	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:27	10/26/25 16:57	1
Nitrobenzene	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 16:57	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 16:57	1
4-Nitrophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 16:57	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		10/23/25 09:27	10/26/25 16:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: P93B-ROX-102025
Date Collected: 10/20/25 11:45
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:27	10/26/25 16:57	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 16:57	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 16:57	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:27	10/26/25 16:57	1
Quinoline	ND		10	0.51	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/23/25 09:27	10/26/25 16:57	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Nitrobenzene-d5	*76*		*50 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Terphenyl-d14	*57*		*43 - 147*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2-Fluorobiphenyl	*69*		*25 - 139*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2-Fluorophenol	*84*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Nitrobenzene-d5	*76*		*22 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Phenol-d5	*77*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
Terphenyl-d14	*57*		*28 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*10/23/25 09:27*	*10/26/25 16:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**180**	**B**	100	6.9	ug/L		10/23/25 09:27	10/28/25 18:45	10

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Client Sample ID: P93D-ROX-102025

Date Collected: 10/20/25 12:20
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 09:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*116*		*50 - 150*		*10/30/25 09:22*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/30/25 09:22*	*1*
4-Bromofluorobenzene	*80*		*50 - 150*		*10/30/25 09:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 16:24	1
Acrolein	ND		20	3.3	ug/L			10/28/25 16:24	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 16:24	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 16:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 16:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 16:24	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/28/25 16:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 16:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 16:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 16:24	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/28/25 16:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 16:24	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 16:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 16:24	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 16:24	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 16:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 16:24	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 16:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 16:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 16:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 16:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 16:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 16:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 16:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 16:24	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 16:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 16:24	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 16:24	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 16:24	1

Client Sample ID: P93D-ROX-102025
Date Collected: 10/20/25 12:20
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.59**	**J**	1.0	0.22	ug/L			10/28/25 16:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:24	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 16:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 16:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 16:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 16:24	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 16:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 16:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 16:24	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 16:24	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 16:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 16:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 16:24	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 16:24	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 16:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 16:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 16:24	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 16:24	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 16:24	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 16:24	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 16:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 16:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 16:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 16:24	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 16:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 16:24	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*10/28/25 16:24*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*10/28/25 16:24*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 16:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 17:28	1
Aniline	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 17:28	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzenethiol	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 17:28	1
Anthracene	ND		0.20	0.074	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzoic acid	ND		100	82	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzyl alcohol	ND		36	31	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/23/25 09:27	10/26/25 17:28	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/23/25 09:27	10/26/25 17:28	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 17:28	1

Client Sample ID: P93D-ROX-102025
Date Collected: 10/20/25 12:20
Date Received: 10/21/25 09:55

Lab Sample ID: 400-284503-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/23/25 09:27	10/26/25 17:28	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 17:28	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 17:28	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 17:28	1
Chrysene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 17:28	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Chloroaniline	ND		10	0.59	ug/L		10/23/25 09:27	10/26/25 17:28	1
Fluoranthene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 17:28	1
Fluorene	ND		0.20	0.089	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Chlorophenol	ND		10	0.86	ug/L		10/23/25 09:27	10/26/25 17:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 17:28	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/23/25 09:27	10/26/25 17:28	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		10/23/25 09:27	10/26/25 17:28	1
Dibenzofuran	ND		10	0.65	ug/L		10/23/25 09:27	10/26/25 17:28	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/23/25 09:27	10/26/25 17:28	1
Phenanthrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 17:28	1
Pyrene	ND		0.20	0.097	ug/L		10/23/25 09:27	10/26/25 17:28	1
Diethyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 17:28	1
Dimethyl phthalate	ND	UJ	10	4.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/23/25 09:27	10/26/25 17:28	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4-Dinitrophenol	ND	UJ	31	4.8	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/23/25 09:27	10/26/25 17:28	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
1,4-Dioxane	ND		10	4.4	ug/L		10/23/25 09:27	10/26/25 17:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 17:28	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/23/25 09:27	10/26/25 17:28	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/23/25 09:27	10/26/25 17:28	1
Hexachloroethane	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 17:28	1
Indene	ND		10	0.45	ug/L		10/23/25 09:27	10/26/25 17:28	1
Isophorone	ND		10	0.82	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Methylphenol	ND		10	0.78	ug/L		10/23/25 09:27	10/26/25 17:28	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 17:28	1
3-Nitroaniline	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Nitroaniline	ND		10	3.6	ug/L		10/23/25 09:27	10/26/25 17:28	1
Nitrobenzene	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 17:28	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 17:28	1
4-Nitrophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 17:28	1
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/23/25 09:27	10/26/25 17:28	1

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93D-ROX-102025
Lab Sample ID: 400-284503-6
Date Collected: 10/20/25 12:20
Matrix: Water
Date Received: 10/21/25 09:55

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 17:28	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 17:28	1
Pentachlorophenol	ND		10	2.9	ug/L		10/23/25 09:27	10/26/25 17:28	1
Phenol	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 17:28	1
Pyridine	ND		10	3.1	ug/L		10/23/25 09:27	10/26/25 17:28	1
Quinoline	ND		10	0.51	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/23/25 09:27	10/26/25 17:28	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Terphenyl-d14	*62*		*43 - 147*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2-Fluorobiphenyl	*78*		*25 - 139*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2-Fluorophenol	*65*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Nitrobenzene-d5	*81*		*22 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Phenol-d5	*49*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
Terphenyl-d14	*62*		*28 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*10/23/25 09:27*	*10/26/25 17:28*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284503-1	TB-ROX-102025-8260-SS	106	101	94
400-284503-3	P93C-ROX-102025	101	103	94
400-284503-4	P93A-ROX-102025	106	102	95
400-284503-4 - RA	P93A-ROX-102025	102	99	97
400-284503-5	P93B-ROX-102025	99	98	93
400-284503-6	P93D-ROX-102025	102	104	95
LCS 400-728415/1003	Lab Control Sample	99	101	89
LCS 400-728746/1003	Lab Control Sample	103	104	92
MB 400-728415/5	Method Blank	101	102	95
MB 400-728746/5	Method Blank	113	100	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284503-2	TB-ROX-102025-8260SIM-SS	118	87	80
400-284503-3	P93C-ROX-102025	115	84	80
400-284503-4	P93A-ROX-102025	112	85	79
400-284503-5	P93B-ROX-102025	114	88	80
400-284503-6	P93D-ROX-102025	116	85	80
LCS 400-728732/1001	Lab Control Sample	111	89	83
MB 400-728732/3	Method Blank	112	86	81

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284503-3	P93C-ROX-102025	72	75	52	72	75	75	63	52
400-284503-4	P93A-ROX-102025	69	70	48	69	85	70	79	48
400-284503-5	P93B-ROX-102025	69	76	57	69	84	76	77	57
400-284503-6	P93D-ROX-102025	78	81	62	78	65	81	49	62
LCS 400-727811/2-A	Lab Control Sample				70	87	72	82	74
LCS 400-727811/3-A	Lab Control Sample				67	82	70	75	68
LCSD 400-727811/4-A	Lab Control Sample Dup				69	79	67	74	70
MB 400-727811/1-A	Method Blank	70	74	77	70	71	74	56	77

Surrogate Summary

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		TBP						
Lab Sample ID	Client Sample ID	(10-150)						
400-284503-3	P93C-ROX-102025	82						
400-284503-4	P93A-ROX-102025	93						
400-284503-5	P93B-ROX-102025	86						
400-284503-6	P93D-ROX-102025	90						
LCS 400-727811/2-A	Lab Control Sample	87						
LCS 400-727811/3-A	Lab Control Sample	80						
LCSD 400-727811/4-A	Lab Control Sample Dup	80						
MB 400-727811/1-A	Method Blank	88						

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-102025-8260-SS
Lab Sample ID: 400-284503-1
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 15:59	RSG	EET PEN

Client Sample ID: TB-ROX-102025-8260SIM-SS
Lab Sample ID: 400-284503-2
Date Collected: 10/20/25 00:00
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 12:52	WPD	EET PEN

Client Sample ID: P93C-ROX-102025
Lab Sample ID: 400-284503-3
Date Collected: 10/20/25 09:40
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 20:32	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 08:58	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728220	10/26/25 15:57	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728221	10/26/25 15:57	JAW	EET PEN

Client Sample ID: P93A-ROX-102025
Lab Sample ID: 400-284503-4
Date Collected: 10/20/25 10:55
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	728415	10/28/25 19:20	RSG	EET PEN
Total/NA	Analysis	8260D	RA	200	5 mL	5 mL	728746	10/30/25 20:57	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	728732	10/30/25 10:32	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728220	10/26/25 16:27	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728221	10/26/25 16:27	JAW	EET PEN
Total/NA	Prep	3511	DL		29.9 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			728433	10/28/25 18:15	UI	EET PEN

Client Sample ID: P93B-ROX-102025
Lab Sample ID: 400-284503-5
Date Collected: 10/20/25 11:45
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5000	5 mL	5 mL	728746	10/30/25 21:22	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1000	5 mL	5 mL	728732	10/30/25 10:55	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728220	10/26/25 16:57	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93B-ROX-102025
Lab Sample ID: 400-284503-5
Date Collected: 10/20/25 11:45
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			29.7 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728221	10/26/25 16:57	JAW	EET PEN
Total/NA	Prep	3511	DL		29.7 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			728433	10/28/25 18:45	UI	EET PEN

Client Sample ID: P93D-ROX-102025
Lab Sample ID: 400-284503-6
Date Collected: 10/20/25 12:20
Matrix: Water
Date Received: 10/21/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 16:24	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 09:22	WPD	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728220	10/26/25 17:28	JAW	EET PEN
Total/NA	Prep	3511			29.4 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728221	10/26/25 17:28	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727811/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 22:37	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 22:37	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728415/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 10:14	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728732/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 07:25	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728746/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 12:20	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:07	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:37	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728415/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728415	10/28/25 09:08	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728732/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728732	10/30/25 06:27	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728746/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728746	10/30/25 11:08	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727811/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 00:07	S1B	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 728415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-1	TB-ROX-102025-8260-SS	Total/NA	Water	8260D	
400-284503-4	P93A-ROX-102025	Total/NA	Water	8260D	
400-284503-6	P93D-ROX-102025	Total/NA	Water	8260D	
MB 400-728415/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728415/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-2	TB-ROX-102025-8260SIM-SS	Total/NA	Water	8260D SIM	
400-284503-3	P93C-ROX-102025	Total/NA	Water	8260D SIM	
400-284503-4	P93A-ROX-102025	Total/NA	Water	8260D SIM	
400-284503-5	P93B-ROX-102025	Total/NA	Water	8260D SIM	
400-284503-6	P93D-ROX-102025	Total/NA	Water	8260D SIM	
MB 400-728732/3	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728732/1001	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 728746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-3	P93C-ROX-102025	Total/NA	Water	8260D	
400-284503-4 - RA	P93A-ROX-102025	Total/NA	Water	8260D	
400-284503-5	P93B-ROX-102025	Total/NA	Water	8260D	
MB 400-728746/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728746/1003	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 727811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-3	P93C-ROX-102025	Total/NA	Water	3511	
400-284503-4 - DL	P93A-ROX-102025	Total/NA	Water	3511	
400-284503-4	P93A-ROX-102025	Total/NA	Water	3511	
400-284503-5	P93B-ROX-102025	Total/NA	Water	3511	
400-284503-5 - DL	P93B-ROX-102025	Total/NA	Water	3511	
400-284503-6	P93D-ROX-102025	Total/NA	Water	3511	
MB 400-727811/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	727811

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284503-1

GC/MS Semi VOA

Analysis Batch: 728220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-3	P93C-ROX-102025	Total/NA	Water	8270E	727811
400-284503-4	P93A-ROX-102025	Total/NA	Water	8270E	727811
400-284503-5	P93B-ROX-102025	Total/NA	Water	8270E	727811
400-284503-6	P93D-ROX-102025	Total/NA	Water	8270E	727811

Analysis Batch: 728221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-3	P93C-ROX-102025	Total/NA	Water	8270E	727811
400-284503-4	P93A-ROX-102025	Total/NA	Water	8270E	727811
400-284503-5	P93B-ROX-102025	Total/NA	Water	8270E	727811
400-284503-6	P93D-ROX-102025	Total/NA	Water	8270E	727811

Analysis Batch: 728433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284503-4 - DL	P93A-ROX-102025	Total/NA	Water	8270E	727811
400-284503-5 - DL	P93B-ROX-102025	Total/NA	Water	8270E	727811

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/28/25 10:14	1
Acrolein	ND		20	3.3	ug/L			10/28/25 10:14	1
Acrylonitrile	ND		10	2.8	ug/L			10/28/25 10:14	1
Benzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/28/25 10:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Bromoform	ND		5.0	0.25	ug/L			10/28/25 10:14	1
Bromomethane	ND		1.0	0.98	ug/L			10/28/25 10:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/28/25 10:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/28/25 10:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/28/25 10:14	1
Chloroethane	ND		1.0	0.76	ug/L			10/28/25 10:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/28/25 10:14	1
Chloroform	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/28/25 10:14	1
Chloromethane	ND		1.0	0.40	ug/L			10/28/25 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/28/25 10:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/28/25 10:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/28/25 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/28/25 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/28/25 10:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/28/25 10:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/28/25 10:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/28/25 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/28/25 10:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/28/25 10:14	1
2-Hexanone	ND		25	4.3	ug/L			10/28/25 10:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/28/25 10:14	1
Methylene bromide	ND		5.0	0.22	ug/L			10/28/25 10:14	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/28/25 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/28/25 10:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/28/25 10:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
Naphthalene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/28/25 10:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/25 10:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/28/25 10:14	1
o-Xylene	ND		5.0	3.0	ug/L			10/28/25 10:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/28/25 10:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728415/5
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/28/25 10:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/28/25 10:14	1
Styrene	ND		1.0	1.0	ug/L			10/28/25 10:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/28/25 10:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/28/25 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/28/25 10:14	1
Toluene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/28/25 10:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/28/25 10:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/28/25 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/28/25 10:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/28/25 10:14	1
Trichloroethene	ND		1.0	0.15	ug/L			10/28/25 10:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/28/25 10:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/28/25 10:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/28/25 10:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/28/25 10:14	1
Vinyl acetate	ND		25	0.93	ug/L			10/28/25 10:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/28/25 10:14	1
Xylenes, Total	ND		10	6.0	ug/L			10/28/25 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*10/28/25 10:14*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*10/28/25 10:14*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*10/28/25 10:14*	*1*

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	274		ug/L		137	43 - 150
Acrolein	500	660		ug/L		132	38 - 150
Acrylonitrile	500	554		ug/L		111	64 - 142
Benzene	50.0	55.6		ug/L		111	70 - 130
Bromobenzene	50.0	48.5		ug/L		97	70 - 132
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	50.0	106	*+	ug/L		213	10 - 150
2-Butanone (MEK)	200	277		ug/L		139	61 - 145
Carbon disulfide	50.0	50.3		ug/L		101	61 - 137
Carbon tetrachloride	50.0	50.5		ug/L		101	61 - 137
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Chloroethane	50.0	75.6	*+	ug/L		151	55 - 141
2-Chloroethyl vinyl ether	50.0	48.7		ug/L		97	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	54.8		ug/L		110	69 - 130
1-Chlorohexane	50.0	52.8		ug/L		106	69 - 130
Chloromethane	50.0	45.8		ug/L		92	58 - 137
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	69 - 132
Dibromochloromethane	50.0	45.5		ug/L		91	67 - 135
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	67 - 130
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	66.9		ug/L		134	41 - 146
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	57.7		ug/L		115	69 - 130
1,1-Dichloroethene	50.0	49.4		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	58.4		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	51.1		ug/L		102	52 - 135
1,1-Dichloropropene	50.0	53.3		ug/L		107	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Ethyl methacrylate	50.0	45.1		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	51.6		ug/L		103	53 - 140
2-Hexanone	200	244		ug/L		122	65 - 137
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	48.1		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	232		ug/L		116	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	58.2		ug/L		116	67 - 130
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130
o-Chlorotoluene	50.0	56.4		ug/L		113	70 - 130
o-Xylene	50.0	49.4		ug/L		99	70 - 130
p-Chlorotoluene	50.0	55.1		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	52.9		ug/L		106	65 - 130
sec-Butylbenzene	50.0	54.0		ug/L		108	66 - 130
Styrene	50.0	48.8		ug/L		98	70 - 130
tert-Butylbenzene	50.0	53.0		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 131
Tetrachloroethene	50.0	42.5		ug/L		85	65 - 130
Toluene	50.0	46.7		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	47.2		ug/L		94	63 - 130
1,2,3-Trichlorobenzene	50.0	48.6		ug/L		97	60 - 138
1,2,4-Trichlorobenzene	50.0	48.3		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.7		ug/L		107	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728415/1003
Matrix: Water
Analysis Batch: 728415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
Vinyl acetate	100	116		ug/L		116	26 - 150
Vinyl chloride	50.0	52.8		ug/L		106	59 - 136
Xylenes, Total	100	98.1		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/30/25 12:20	1
Acrolein	ND		20	3.3	ug/L			10/30/25 12:20	1
Acrylonitrile	ND		10	2.8	ug/L			10/30/25 12:20	1
Benzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Bromobenzene	ND		1.0	0.54	ug/L			10/30/25 12:20	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/30/25 12:20	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Bromoform	ND		5.0	0.25	ug/L			10/30/25 12:20	1
Bromomethane	ND		1.0	0.98	ug/L			10/30/25 12:20	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/30/25 12:20	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/30/25 12:20	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/30/25 12:20	1
Chloroethane	ND		1.0	0.76	ug/L			10/30/25 12:20	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/30/25 12:20	1
Chloroform	ND		1.0	0.90	ug/L			10/30/25 12:20	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/30/25 12:20	1
Chloromethane	ND		1.0	0.40	ug/L			10/30/25 12:20	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/30/25 12:20	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/30/25 12:20	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/30/25 12:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/30/25 12:20	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/30/25 12:20	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/30/25 12:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/30/25 12:20	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/30/25 12:20	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728746/5
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/30/25 12:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/30/25 12:20	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/30/25 12:20	1
2-Hexanone	ND		25	4.3	ug/L			10/30/25 12:20	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/30/25 12:20	1
Methylene bromide	ND		5.0	0.22	ug/L			10/30/25 12:20	1
Methylene Chloride	ND		5.0	4.0	ug/L			10/30/25 12:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/30/25 12:20	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/30/25 12:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
Naphthalene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/30/25 12:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/30/25 12:20	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/30/25 12:20	1
o-Xylene	ND		5.0	3.0	ug/L			10/30/25 12:20	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/30/25 12:20	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/30/25 12:20	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/30/25 12:20	1
Styrene	ND		1.0	1.0	ug/L			10/30/25 12:20	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/30/25 12:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/30/25 12:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/30/25 12:20	1
Toluene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/30/25 12:20	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/30/25 12:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/30/25 12:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/30/25 12:20	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/30/25 12:20	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/30/25 12:20	1
Trichloroethene	ND		1.0	0.15	ug/L			10/30/25 12:20	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/30/25 12:20	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/30/25 12:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/30/25 12:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/30/25 12:20	1
Vinyl acetate	ND		25	0.93	ug/L			10/30/25 12:20	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/30/25 12:20	1
Xylenes, Total	ND		10	6.0	ug/L			10/30/25 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*10/30/25 12:20*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*10/30/25 12:20*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*10/30/25 12:20*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	297		ug/L		149	43 - 150
Acrolein	500	746		ug/L		149	38 - 150
Acrylonitrile	500	565		ug/L		113	64 - 142
Benzene	50.0	57.6		ug/L		115	70 - 130
Bromobenzene	50.0	48.7		ug/L		97	70 - 132
Bromochloromethane	50.0	54.2		ug/L		108	70 - 130
Bromodichloromethane	50.0	56.5		ug/L		113	67 - 133
Bromoform	50.0	47.2		ug/L		94	57 - 140
Bromomethane	50.0	97.4	*+	ug/L		195	10 - 150
2-Butanone (MEK)	200	312	*+	ug/L		156	61 - 145
Carbon disulfide	50.0	51.4		ug/L		103	61 - 137
Carbon tetrachloride	50.0	57.0		ug/L		114	61 - 137
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130
Chloroethane	50.0	71.5	*+	ug/L		143	55 - 141
2-Chloroethyl vinyl ether	50.0	54.6		ug/L		109	10 - 150
Chloroform	50.0	58.3		ug/L		117	69 - 130
1-Chlorohexane	50.0	54.8		ug/L		110	69 - 130
Chloromethane	50.0	52.5		ug/L		105	58 - 137
cis-1,2-Dichloroethene	50.0	58.4		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	56.4		ug/L		113	69 - 132
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
1,2-Dichlorobenzene	50.0	47.7		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	77.9	*+	ug/L		156	41 - 146
1,1-Dichloroethane	50.0	57.4		ug/L		115	70 - 130
1,2-Dichloroethane	50.0	56.3		ug/L		113	69 - 130
1,1-Dichloroethene	50.0	56.7		ug/L		113	63 - 134
1,2-Dichloropropane	50.0	57.0		ug/L		114	70 - 130
1,3-Dichloropropane	50.0	47.8		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	58.6		ug/L		117	52 - 135
1,1-Dichloropropene	50.0	59.6		ug/L		119	70 - 130
Ethylbenzene	50.0	54.0		ug/L		108	70 - 130
Ethyl methacrylate	50.0	48.2		ug/L		96	68 - 130
Hexachlorobutadiene	50.0	58.7		ug/L		117	53 - 140
2-Hexanone	200	240		ug/L		120	65 - 137
Isopropylbenzene	50.0	55.2		ug/L		110	70 - 130
Methylene bromide	50.0	55.8		ug/L		112	70 - 130
Methylene Chloride	50.0	48.5		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	56.2		ug/L		112	66 - 130
m-Xylene & p-Xylene	50.0	54.2		ug/L		108	70 - 130
Naphthalene	50.0	53.0		ug/L		106	47 - 149
n-Butylbenzene	50.0	52.0		ug/L		104	67 - 130
N-Propylbenzene	50.0	54.6		ug/L		109	70 - 130
o-Chlorotoluene	50.0	48.7		ug/L		97	70 - 130
o-Xylene	50.0	52.8		ug/L		106	70 - 130
p-Chlorotoluene	50.0	56.1		ug/L		112	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728746/1003
Matrix: Water
Analysis Batch: 728746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	57.3		ug/L		115	65 - 130
sec-Butylbenzene	50.0	58.1		ug/L		116	66 - 130
Styrene	50.0	51.7		ug/L		103	70 - 130
tert-Butylbenzene	50.0	57.0		ug/L		114	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.9		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.6		ug/L		93	70 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	65 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	57.6		ug/L		115	70 - 130
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	63 - 130
1,2,3-Trichlorobenzene	50.0	54.9		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	55.8		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	57.1		ug/L		114	68 - 130
1,1,2-Trichloroethane	50.0	46.3		ug/L		93	70 - 130
Trichloroethene	50.0	56.0		ug/L		112	70 - 130
Trichlorofluoromethane	50.0	62.9		ug/L		126	65 - 138
1,2,3-Trichloropropane	50.0	46.8		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	50.0	56.3		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	50.0	56.4		ug/L		113	69 - 130
Vinyl acetate	100	133		ug/L		133	26 - 150
Vinyl chloride	50.0	63.0		ug/L		126	59 - 136
Xylenes, Total	100	107		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*92*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728732/3
Matrix: Water
Analysis Batch: 728732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/30/25 07:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/30/25 07:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*112*		*50 - 150*		*10/30/25 07:25*	*1*
Toluene-d8 (Surr)	*86*		*50 - 150*		*10/30/25 07:25*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/30/25 07:25*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-728732/1001
Matrix: Water
Analysis Batch: 728732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.411		ug/L		82	50 - 150		
1,2-Dibromoethane			0.500	0.542		ug/L		108	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*83*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:26	10/25/25 22:37	1
Aniline	ND		10	0.74	ug/L		10/23/25 09:26	10/25/25 22:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:26	10/25/25 22:37	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:26	10/25/25 22:37	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:26	10/25/25 22:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:26	10/25/25 22:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:26	10/25/25 22:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:26	10/25/25 22:37	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indene	ND		10	0.44	ug/L		10/23/25 09:26	10/25/25 22:37	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:26	10/25/25 22:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:26	10/25/25 22:37	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:26	10/25/25 22:37	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenol	1.22	J	10	0.68	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:26	10/25/25 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*22 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Phenol-d5	*56*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*28 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	25.4		ug/L		76	10 - 134
Benzoic acid	143	142		ug/L		99	10 - 180
Benzyl alcohol	33.3	ND		ug/L		82	10 - 150
Bis(2-chloroethoxy)methane	33.3	27.9		ug/L		84	34 - 120
Bis(2-chloroethyl)ether	33.3	24.0	I	ug/L		72	32 - 114
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	27.7		ug/L		83	24 - 133
4-Bromophenyl phenyl ether	33.3	27.0		ug/L		81	24 - 120
Butyl benzyl phthalate	33.3	22.3		ug/L		67	24 - 140
4-Chloroaniline	33.3	30.8		ug/L		92	10 - 150
4-Chloro-3-methylphenol	33.3	28.6		ug/L		86	10 - 137
2-Chloronaphthalene	33.3	18.7		ug/L		56	10 - 150
2-Chlorophenol	33.3	27.4		ug/L		82	28 - 127
4-Chlorophenyl phenyl ether	33.3	23.5		ug/L		71	31 - 110
Dibenz[a,h]acridine	33.3	26.6		ug/L		80	40 - 150
Dibenzofuran	33.3	23.8		ug/L		72	35 - 110
3,3'-Dichlorobenzidine	66.7	34.6		ug/L		52	10 - 150
2,4-Dichlorophenol	33.3	25.8		ug/L		77	30 - 125
Diethyl phthalate	33.3	18.5		ug/L		55	31 - 118
2,4-Dimethylphenol	33.3	24.7		ug/L		74	10 - 142
Dimethyl phthalate	33.3	16.8		ug/L		50	24 - 125
Di-n-butyl phthalate	33.3	25.0		ug/L		75	30 - 127
4,6-Dinitro-ortho-cresol	66.7	40.2		ug/L		60	10 - 150
2,4-Dinitrophenol	66.7	32.6		ug/L		49	10 - 150
2,4-Dinitrotoluene	33.3	27.8		ug/L		83	30 - 129
2,6-Dinitrotoluene	33.3	28.9		ug/L		87	34 - 132
Di-n-octyl phthalate	33.3	25.8		ug/L		77	28 - 142
1,4-Dioxane	33.3	28.7	I	ug/L		86	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.3		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.1		ug/L		78	29 - 113
Hexachlorocyclopentadiene	33.3	15.9	J	ug/L		48	10 - 150
Hexachloroethane	33.3	18.8		ug/L		56	10 - 112
Indene	33.3	18.3		ug/L		55	10 - 113
Isophorone	33.3	25.6		ug/L		77	29 - 125
2-Methylphenol	33.3	28.6		ug/L		86	11 - 121
3 & 4 Methylphenol	33.3	28.4		ug/L		85	10 - 150
2-Nitroaniline	33.3	27.8		ug/L		83	31 - 141
3-Nitroaniline	33.3	27.7		ug/L		83	33 - 136
4-Nitroaniline	33.3	24.8		ug/L		74	37 - 139
Nitrobenzene	33.3	24.6		ug/L		74	29 - 129
2-Nitrophenol	33.3	25.9		ug/L		78	31 - 142
4-Nitrophenol	66.7	69.6		ug/L		104	10 - 150
N-Nitrosodimethylamine	33.3	26.7		ug/L		80	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.7		ug/L		80	50 - 134
N-Nitrosodiphenylamine	33.1	26.5		ug/L		80	50 - 132
Pentachlorophenol	66.7	54.8		ug/L		82	14 - 150
Phenol	33.3	31.2		ug/L		93	10 - 150
Pyridine	66.7	56.1		ug/L		84	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Quinoline			33.3	27.0		ug/L		81	40 - 150		
2,4,5-Trichlorophenol			33.3	25.5		ug/L		76	27 - 136		
2,4,6-Trichlorophenol			33.3	24.4		ug/L		73	21 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*25 - 139*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*72*		*22 - 150*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: LCS 400-727811/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			33.3	18.4		ug/L		55	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*25 - 139*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*70*		*22 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*68*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Lab Sample ID: LCSD 400-727811/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			33.3	19.7		ug/L		59	10 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*79*		*10 - 150*
Nitrobenzene-d5	*67*		*22 - 150*
Phenol-d5	*74*		*10 - 150*
Terphenyl-d14	*70*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE 10/20/2025
PO #	**GSAP Project ID**	PAGE. ___1___ of ___1___
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL:	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): M Massa, T Jenkins

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuIS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

400-284503 Chain of Custody

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL	FIELD NOTES:
	TB-ROX-102025-8260-SS	10/20/2025	0000	Water	2					2	X				SPLIT REPORT
	TB-ROX-102025-8260SIM-SS	10/20/2025	0000	Water	2					2		X			
	P93C-ROX-102025	10/20/2025	0940	Water	6			4		10	X	X	X	X	SPLIT REPORT
	P93A-ROX-102025	10/20/2025	1055	Water	6			4		10	X	X	X	X	SPLIT REPORT
	P93B-ROX-102025	10/20/2025	1145	Water	6			4		10	X	X	X	X	SPLIT REPORT
	P93D-ROX-102025	10/20/2025	1220	Water	6			4		10	X	X	X	X	SPLIT REPORT

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4744 8092 6565; 4234 9608 5720	10/20/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Eurofins	Date: 10/21/25	Time: 955
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2698052, 2698053 2698054, 2698055

0.0°C 0.4°C IR6

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284503-1

Login Number: 284503
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4°C, 0.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284503-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-284522-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 12/10/2025

Event Reviewed: 4th Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 12/16/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114R-ROX-102125	SVOCs	Nitrobenzene-d5	46	50-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-728589/1002	VOCs	Acetone	**182**	NA	43-150
LCS 400-728589/1002	VOCs	Bromomethane	**203**	NA	10-150
LCS 400-728589/1002	VOCs	Chloroethane	**144**	NA	55-141
LCS 400-728589/1002	VOCs	n-Butylbenzene	**135**	NA	67-130

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

<table>
<tr><th colspan="6">Stage 2A Validation</th></tr>
<tr><th rowspan="2">Item Reviewed</th><th rowspan="2">Acceptable Criteria</th><th colspan="3">Quality Condition</th><th rowspan="2">Comments</th></tr>
<tr><th>Pass</th><th>Fail[1]</th><th>N/A</th></tr>
<tr><td>Trip/Field/Equipment Blank</td><td>Target analytes were not detected in the trip/field/equipment blank.</td><td></td><td>X</td><td></td><td></td></tr>
<tr><td colspan="6">
<table>
<tr><th>Blank ID</th><th>Parameter</th><th>Analyte</th><th>Concentration/Amount</th></tr>
<tr><td>P114R-ROX-102125-EB</td><td>VOCs</td><td>Phenol</td><td>2.2 µg/L</td></tr>
</table>

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Phenol in sample P114R-ROX-102115 was qualified due to method blank contamination; no further qualification required.
</td></tr>
<tr><td>Laboratory Blank</td><td>Target analytes were not detected in the laboratory blank.</td><td></td><td>X</td><td></td><td></td></tr>
<tr><td colspan="6">
<table>
<tr><th>Blank ID</th><th>Parameter</th><th>Analyte</th><th>Concentration/Amount</th></tr>
<tr><td>MB 400-727811/1-A</td><td>SVOCs</td><td>Phenol</td><td>1.22 ug/L</td></tr>
</table>

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

<table>
<tr><th>Sample ID</th><th>Parameter</th><th>Analyte</th><th>New Reporting Limit (RL)</th><th>Qualification</th></tr>
<tr><td>P114R-ROX-102125</td><td>SVOCs</td><td>Phenol</td><td>-</td><td>U</td></tr>
</table>
</td></tr>
<tr><td>Detection Limits[2]</td><td>No results were reported as non-detect at elevated detection limits.</td><td>X</td><td></td><td></td><td>Samples analyzed did not require dilution.</td></tr>
<tr><td>Reporting/Other</td><td>No other quality issues were noted that would impact the usability of this data set.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Usability</td><td>No results qualified as unusable.</td><td>X</td><td></td><td></td><td></td></tr>
<tr><td>Historical</td><td>Sample results were within 3 standard deviations from historical mean.</td><td>X</td><td></td><td></td><td></td></tr>
</table>

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The continuing calibration verifications (CCVs) for dimethyl phthalate and diethyl phthalate were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples)			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
P114R-ROX-102125	SVOCs	Dimethyl phthalate	UJ
P114R-ROX-102125	SVOCs	2,4-Dinitrophenol	UJ
P114R-ROX-102125	SVOCs	Diethyl phthalate	UJ
P114R-ROX-102125	SVOCs	4,6-Dinitro-ortho-cresol	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 11/3/2025 11:58:55 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-284522-1

Reviewed 12/9/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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11/3/2025 11:58:55 AM

Authorized for release by
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Job Narrative
400-284522-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/22/2025 9:32 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-728589 recovered above the upper control limit for Acetone, Bromomethane, Chloroethane, Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-728589/2).

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-728589 recovered outside control limits for the following analytes: Acetone, Bromomethane, Chloroethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-ROX-102125-8260 (400-284522-1), P114R-ROX-102125-EB (400-284522-3) and P114R-ROX-102125 (400-284522-4). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_LL_QQQ: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: P114R-ROX-102125 (400-284522-4). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered above the upper control limit for Quinoline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-728176 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol, Diethyl phthalate and Dimethyl phthalate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The method blank for preparation batch 400-727811 and analytical batch 400-728176 contained Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284522-1	TB-ROX-102125-8260	Water	10/21/25 00:00	10/22/25 09:32	Illinois
400-284522-2	TB-ROX-102125-8260-SIM	Water	10/21/25 00:00	10/22/25 09:32	Illinois
400-284522-3	P114R-ROX-102125-EB	Water	10/21/25 11:00	10/22/25 09:32	Illinois
400-284522-4	P114R-ROX-102125	Water	10/21/25 13:20	10/22/25 09:32	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: TB-ROX-102125-8260 — Lab Sample ID: 400-284522-1

No Detections.

Client Sample ID: TB-ROX-102125-8260-SIM — Lab Sample ID: 400-284522-2

No Detections.

Client Sample ID: P114R-ROX-102125-EB — Lab Sample ID: 400-284522-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	2.2	J B	10	0.70	ug/L	1		8270E	Total/NA

Client Sample ID: P114R-ROX-102125 — Lab Sample ID: 400-284522-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.78	J	1.0	0.22	ug/L	1		8260D	Total/NA
Phenol	0.82	J B U	10	0.68	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: TB-ROX-102125-8260
Date Collected: 10/21/25 00:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/29/25 16:30	1
Acrolein	ND		20	3.3	ug/L			10/29/25 16:30	1
Acrylonitrile	ND		10	2.8	ug/L			10/29/25 16:30	1
Benzene	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Bromobenzene	ND		1.0	0.54	ug/L			10/29/25 16:30	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/29/25 16:30	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Bromoform	ND		5.0	0.25	ug/L			10/29/25 16:30	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/29/25 16:30	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/29/25 16:30	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/29/25 16:30	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/29/25 16:30	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/29/25 16:30	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/29/25 16:30	1
Chloroform	ND		1.0	0.90	ug/L			10/29/25 16:30	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/29/25 16:30	1
Chloromethane	ND		1.0	0.40	ug/L			10/29/25 16:30	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/29/25 16:30	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/29/25 16:30	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/29/25 16:30	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/29/25 16:30	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/29/25 16:30	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/29/25 16:30	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/29/25 16:30	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/29/25 16:30	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 16:30	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/29/25 16:30	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/29/25 16:30	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/29/25 16:30	1
2-Hexanone	ND		25	4.3	ug/L			10/29/25 16:30	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/29/25 16:30	1
Methylene bromide	ND		5.0	0.22	ug/L			10/29/25 16:30	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/29/25 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/29/25 16:30	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/29/25 16:30	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 16:30	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 16:30	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			10/29/25 16:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/25 16:30	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/29/25 16:30	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 16:30	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/29/25 16:30	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/29/25 16:30	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: TB-ROX-102125-8260
Date Collected: 10/21/25 00:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/29/25 16:30	1
Styrene	ND		1.0	1.0	ug/L			10/29/25 16:30	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/29/25 16:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/29/25 16:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/29/25 16:30	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 16:30	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 16:30	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/29/25 16:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/29/25 16:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/29/25 16:30	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/29/25 16:30	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/29/25 16:30	1
Trichloroethene	ND		1.0	0.15	ug/L			10/29/25 16:30	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/29/25 16:30	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/29/25 16:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/29/25 16:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/29/25 16:30	1
Vinyl acetate	ND		25	0.93	ug/L			10/29/25 16:30	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/29/25 16:30	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/29/25 16:30*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*10/29/25 16:30*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/29/25 16:30*	*1*

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-102125-8260-SIM
Lab Sample ID: 400-284522-2
Date Collected: 10/21/25 00:00
Matrix: Water
Date Received: 10/22/25 09:32

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/31/25 13:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/31/25 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*120*		*50 - 150*		*10/31/25 13:07*	*1*
Toluene-d8 (Surr)	*83*		*50 - 150*		*10/31/25 13:07*	*1*
4-Bromofluorobenzene	*81*		*50 - 150*		*10/31/25 13:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: P114R-ROX-102125-EB

Date Collected: 10/21/25 11:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/31/25 13:31	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/31/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*120*		*50 - 150*		*10/31/25 13:31*	*1*
Toluene-d8 (Surr)	*85*		*50 - 150*		*10/31/25 13:31*	*1*
4-Bromofluorobenzene	*83*		*50 - 150*		*10/31/25 13:31*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/29/25 16:57	1
Acrolein	ND		20	3.3	ug/L			10/29/25 16:57	1
Acrylonitrile	ND		10	2.8	ug/L			10/29/25 16:57	1
Benzene	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Bromobenzene	ND		1.0	0.54	ug/L			10/29/25 16:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/29/25 16:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Bromoform	ND		5.0	0.25	ug/L			10/29/25 16:57	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/29/25 16:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/29/25 16:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/29/25 16:57	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/29/25 16:57	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/29/25 16:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/29/25 16:57	1
Chloroform	ND		1.0	0.90	ug/L			10/29/25 16:57	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/29/25 16:57	1
Chloromethane	ND		1.0	0.40	ug/L			10/29/25 16:57	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/29/25 16:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/29/25 16:57	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/29/25 16:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/29/25 16:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/29/25 16:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/29/25 16:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/29/25 16:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/29/25 16:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 16:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/29/25 16:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/29/25 16:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/29/25 16:57	1
2-Hexanone	ND		25	4.3	ug/L			10/29/25 16:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/29/25 16:57	1
Methylene bromide	ND		5.0	0.22	ug/L			10/29/25 16:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/29/25 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/29/25 16:57	1

Client Sample ID: P114R-ROX-102125-EB
Date Collected: 10/21/25 11:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/29/25 16:57	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 16:57	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 16:57	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			10/29/25 16:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/25 16:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/29/25 16:57	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 16:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/29/25 16:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/29/25 16:57	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/29/25 16:57	1
Styrene	ND		1.0	1.0	ug/L			10/29/25 16:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/29/25 16:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/29/25 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/29/25 16:57	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 16:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 16:57	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/29/25 16:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/29/25 16:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/29/25 16:57	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/29/25 16:57	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/29/25 16:57	1
Trichloroethene	ND		1.0	0.15	ug/L			10/29/25 16:57	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/29/25 16:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/29/25 16:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/29/25 16:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/29/25 16:57	1
Vinyl acetate	ND		25	0.93	ug/L			10/29/25 16:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/29/25 16:57	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*10/29/25 16:57*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*10/29/25 16:57*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*10/29/25 16:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 00:37	1
Aniline	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 00:37	1
Acenaphthylene	ND		0.20	0.048	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzenethiol	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 00:37	1
Anthracene	ND		0.20	0.075	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzoic acid	ND		100	82	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzyl alcohol	ND		36	31	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		10/23/25 09:27	10/26/25 00:37	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		10/23/25 09:27	10/26/25 00:37	1
Bis(2-chloroethyl)ether	ND		10	0.75	ug/L		10/23/25 09:27	10/26/25 00:37	1

Client Sample ID: P114R-ROX-102125-EB
Date Collected: 10/21/25 11:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		10/23/25 09:27	10/26/25 00:37	1
bis (2-chloroisopropyl) ether	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 00:37	1
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		10/23/25 09:27	10/26/25 00:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 00:37	1
Chrysene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 00:37	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Chloroaniline	ND		10	0.59	ug/L		10/23/25 09:27	10/26/25 00:37	1
Fluoranthene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Chloro-3-methylphenol	ND		10	0.75	ug/L		10/23/25 09:27	10/26/25 00:37	1
Fluorene	ND		0.20	0.089	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Chloronaphthalene	ND		10	0.39	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Chlorophenol	ND		10	0.86	ug/L		10/23/25 09:27	10/26/25 00:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.033	ug/L		10/23/25 09:27	10/26/25 00:37	1
1-Methylnaphthalene	ND		0.20	0.068	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Chlorophenyl phenyl ether	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Methylnaphthalene	ND		0.20	0.079	ug/L		10/23/25 09:27	10/26/25 00:37	1
Dibenz[a,h]acridine	ND		10	0.71	ug/L		10/23/25 09:27	10/26/25 00:37	1
Dibenzofuran	ND		10	0.66	ug/L		10/23/25 09:27	10/26/25 00:37	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		10/23/25 09:27	10/26/25 00:37	1
Phenanthrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 00:37	1
Pyrene	ND		0.20	0.097	ug/L		10/23/25 09:27	10/26/25 00:37	1
Diethyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4-Dimethylphenol	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 00:37	1
Dimethyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
Di-n-butyl phthalate	ND		10	8.4	ug/L		10/23/25 09:27	10/26/25 00:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4-Dinitrophenol	ND		31	4.8	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4-Dinitrotoluene	ND		10	0.67	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,6-Dinitrotoluene	ND		10	0.30	ug/L		10/23/25 09:27	10/26/25 00:37	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
1,4-Dioxane	ND		10	4.4	ug/L		10/23/25 09:27	10/26/25 00:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 00:37	1
Hexachlorobenzene	ND		10	0.26	ug/L		10/23/25 09:27	10/26/25 00:37	1
Hexachlorocyclopentadiene	ND		20	0.33	ug/L		10/23/25 09:27	10/26/25 00:37	1
Hexachloroethane	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 00:37	1
Indene	ND		10	0.45	ug/L		10/23/25 09:27	10/26/25 00:37	1
Isophorone	ND		10	0.82	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Methylphenol	ND		10	0.78	ug/L		10/23/25 09:27	10/26/25 00:37	1
3 & 4 Methylphenol	ND		20	4.7	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 00:37	1
3-Nitroaniline	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Nitroaniline	ND		10	3.6	ug/L		10/23/25 09:27	10/26/25 00:37	1
Nitrobenzene	ND		10	0.61	ug/L		10/23/25 09:27	10/26/25 00:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 00:37	1
4-Nitrophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 00:37	1
N-Nitrosodimethylamine	ND		10	0.99	ug/L		10/23/25 09:27	10/26/25 00:37	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: P114R-ROX-102125-EB
Date Collected: 10/21/25 11:00
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 00:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 00:37	1
Pentachlorophenol	ND		10	2.9	ug/L		10/23/25 09:27	10/26/25 00:37	1
Phenol	**2.2**	**J B**	10	0.70	ug/L		10/23/25 09:27	10/26/25 00:37	1
Pyridine	ND		10	3.1	ug/L		10/23/25 09:27	10/26/25 00:37	1
Quinoline	ND		10	0.51	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		10/23/25 09:27	10/26/25 00:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
Nitrobenzene-d5	*70*		*50 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
Terphenyl-d14	*71*		*43 - 147*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
2-Fluorobiphenyl	*71*		*25 - 139*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
2-Fluorophenol	*68*		*10 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
Nitrobenzene-d5	*70*		*22 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
Phenol-d5	*54*		*10 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
Terphenyl-d14	*71*		*28 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*
2,4,6-Tribromophenol	*80*		*10 - 150*	*10/23/25 09:27*	*10/26/25 00:37*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: P114R-ROX-102125

Date Collected: 10/21/25 13:20
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/31/25 13:54	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/31/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*120*		*50 - 150*		*10/31/25 13:54*	*1*
Toluene-d8 (Surr)	*84*		*50 - 150*		*10/31/25 13:54*	*1*
4-Bromofluorobenzene	*77*		*50 - 150*		*10/31/25 13:54*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			10/29/25 17:23	1
Acrolein	ND		20	3.3	ug/L			10/29/25 17:23	1
Acrylonitrile	ND		10	2.8	ug/L			10/29/25 17:23	1
Benzene	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Bromobenzene	ND		1.0	0.54	ug/L			10/29/25 17:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/29/25 17:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Bromoform	ND		5.0	0.25	ug/L			10/29/25 17:23	1
Bromomethane	ND	*+	1.0	0.98	ug/L			10/29/25 17:23	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/29/25 17:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/29/25 17:23	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/29/25 17:23	1
Chloroethane	ND	*+	1.0	0.76	ug/L			10/29/25 17:23	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/29/25 17:23	1
Chloroform	ND		1.0	0.90	ug/L			10/29/25 17:23	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/29/25 17:23	1
Chloromethane	ND		1.0	0.40	ug/L			10/29/25 17:23	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/29/25 17:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/29/25 17:23	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/29/25 17:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/29/25 17:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/29/25 17:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/29/25 17:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/29/25 17:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/29/25 17:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 17:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/29/25 17:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/29/25 17:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/29/25 17:23	1
2-Hexanone	ND		25	4.3	ug/L			10/29/25 17:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/29/25 17:23	1
Methylene bromide	ND		5.0	0.22	ug/L			10/29/25 17:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/29/25 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/29/25 17:23	1

Client Sample ID: P114R-ROX-102125
Date Collected: 10/21/25 13:20
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.78**	**J**	1.0	0.22	ug/L			10/29/25 17:23	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 17:23	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 17:23	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			10/29/25 17:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/25 17:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/29/25 17:23	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 17:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/29/25 17:23	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/29/25 17:23	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/29/25 17:23	1
Styrene	ND		1.0	1.0	ug/L			10/29/25 17:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/29/25 17:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/29/25 17:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/29/25 17:23	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 17:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 17:23	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/29/25 17:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/29/25 17:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/29/25 17:23	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/29/25 17:23	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/29/25 17:23	1
Trichloroethene	ND		1.0	0.15	ug/L			10/29/25 17:23	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/29/25 17:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/29/25 17:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/29/25 17:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/29/25 17:23	1
Vinyl acetate	ND		25	0.93	ug/L			10/29/25 17:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/29/25 17:23	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/29/25 17:23*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*10/29/25 17:23*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*10/29/25 17:23*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:27	10/26/25 01:08	1
Aniline	ND		10	0.74	ug/L		10/23/25 09:27	10/26/25 01:08	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 01:08	1
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:27	10/26/25 01:08	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:27	10/26/25 01:08	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 01:08	1

Client Sample ID: P114R-ROX-102125
Date Collected: 10/21/25 13:20
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:27	10/26/25 01:08	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 01:08	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:27	10/26/25 01:08	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:27	10/26/25 01:08	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:27	10/26/25 01:08	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:27	10/26/25 01:08	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:27	10/26/25 01:08	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:27	10/26/25 01:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:27	10/26/25 01:08	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:27	10/26/25 01:08	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:27	10/26/25 01:08	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:27	10/26/25 01:08	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:27	10/26/25 01:08	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:27	10/26/25 01:08	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:27	10/26/25 01:08	1
Diethyl phthalate	ND	UJ	10	4.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:27	10/26/25 01:08	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:27	10/26/25 01:08	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:27	10/26/25 01:08	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:27	10/26/25 01:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:27	10/26/25 01:08	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:27	10/26/25 01:08	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:27	10/26/25 01:08	1
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:27	10/26/25 01:08	1
Indene	ND		10	0.44	ug/L		10/23/25 09:27	10/26/25 01:08	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:27	10/26/25 01:08	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:27	10/26/25 01:08	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:27	10/26/25 01:08	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:27	10/26/25 01:08	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:27	10/26/25 01:08	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:27	10/26/25 01:08	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:27	10/26/25 01:08	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Client Sample ID: P114R-ROX-102125
Date Collected: 10/21/25 13:20
Date Received: 10/22/25 09:32

Lab Sample ID: 400-284522-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:27	10/26/25 01:08	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:27	10/26/25 01:08	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:27	10/26/25 01:08	1
Phenol	10 ~~0.82 J B~~	U	10	0.68	ug/L		10/23/25 09:27	10/26/25 01:08	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:27	10/26/25 01:08	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:27	10/26/25 01:08	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:27	10/26/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
Nitrobenzene-d5	*46*	*S1-*	*50 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
Terphenyl-d14	*53*		*43 - 147*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
2-Fluorobiphenyl	*67*		*25 - 139*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
2-Fluorophenol	*78*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
Nitrobenzene-d5	*46*		*22 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
Phenol-d5	*64*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
Terphenyl-d14	*53*		*28 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*10/23/25 09:27*	*10/26/25 01:08*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-284522-1	TB-ROX-102125-8260	99	107	101
400-284522-3	P114R-ROX-102125-EB	97	109	98
400-284522-4	P114R-ROX-102125	99	107	100
LCS 400-728589/1002	Lab Control Sample	92	106	103
MB 400-728589/5	Method Blank	99	107	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-284522-2	TB-ROX-102125-8260-SIM	120	83	81
400-284522-3	P114R-ROX-102125-EB	120	85	83
400-284522-4	P114R-ROX-102125	120	84	77
LCS 400-728877/1001	Lab Control Sample	111	89	83
MB 400-728877/3	Method Blank	113	90	82

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-284522-3	P114R-ROX-102125-EB	71	70	71	71	68	70	54	71
400-284522-4	P114R-ROX-102125	67	46 S1-	53	67	78	46	64	53
LCS 400-727811/2-A	Lab Control Sample	70	72	74	70	87	72	82	74
LCS 400-727811/3-A	Lab Control Sample				67	82	70	75	68
LCSD 400-727811/4-A	Lab Control Sample Dup				69	79	67	74	70
MB 400-727811/1-A	Method Blank	70	74	77	70	71	74	56	77

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-284522-3	P114R-ROX-102125-EB	80
400-284522-4	P114R-ROX-102125	92
LCS 400-727811/2-A	Lab Control Sample	87
LCS 400-727811/3-A	Lab Control Sample	80
LCSD 400-727811/4-A	Lab Control Sample Dup	80
MB 400-727811/1-A	Method Blank	88

Surrogate Legend

FBP = 2-Fluorobiphenyl

Surrogate Summary

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-102125-8260
Lab Sample ID: 400-284522-1
Date Collected: 10/21/25 00:00
Matrix: Water
Date Received: 10/22/25 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728589	10/29/25 16:30	RSG	EET PEN

Client Sample ID: TB-ROX-102125-8260-SIM
Lab Sample ID: 400-284522-2
Date Collected: 10/21/25 00:00
Matrix: Water
Date Received: 10/22/25 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728877	10/31/25 13:07	WPD	EET PEN

Client Sample ID: P114R-ROX-102125-EB
Lab Sample ID: 400-284522-3
Date Collected: 10/21/25 11:00
Matrix: Water
Date Received: 10/22/25 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728589	10/29/25 16:57	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728877	10/31/25 13:31	WPD	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/26/25 00:37	S1B	EET PEN
Total/NA	Prep	3511			29.3 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 00:37	S1B	EET PEN

Client Sample ID: P114R-ROX-102125
Lab Sample ID: 400-284522-4
Date Collected: 10/21/25 13:20
Matrix: Water
Date Received: 10/22/25 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728589	10/29/25 17:23	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728877	10/31/25 13:54	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/26/25 01:08	S1B	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 01:08	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-727811/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 22:37	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 22:37	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728589/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728589	10/29/25 10:31	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-728877/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728877	10/31/25 07:40	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728175	10/25/25 23:07	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:26	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:07	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-727811/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/25/25 23:37	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728589/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	728589	10/29/25 08:50	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-728877/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	728877	10/31/25 06:42	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-727811/4-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	727811	10/23/25 09:27	RAW	EET PEN
Total/NA	Analysis	8270E		1			728176	10/26/25 00:07	S1B	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-284522-1

GC/MS VOA

Analysis Batch: 728589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284522-1	TB-ROX-102125-8260	Total/NA	Water	8260D	
400-284522-3	P114R-ROX-102125-EB	Total/NA	Water	8260D	
400-284522-4	P114R-ROX-102125	Total/NA	Water	8260D	
MB 400-728589/5	Method Blank	Total/NA	Water	8260D	
LCS 400-728589/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 728877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284522-2	TB-ROX-102125-8260-SIM	Total/NA	Water	8260D SIM	
400-284522-3	P114R-ROX-102125-EB	Total/NA	Water	8260D SIM	
400-284522-4	P114R-ROX-102125	Total/NA	Water	8260D SIM	
MB 400-728877/3	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-728877/1001	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 727811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284522-3	P114R-ROX-102125-EB	Total/NA	Water	3511	
400-284522-4	P114R-ROX-102125	Total/NA	Water	3511	
MB 400-727811/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 728175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284522-3	P114R-ROX-102125-EB	Total/NA	Water	8270E	727811
400-284522-4	P114R-ROX-102125	Total/NA	Water	8270E	727811
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811

Analysis Batch: 728176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284522-3	P114R-ROX-102125-EB	Total/NA	Water	8270E	727811
400-284522-4	P114R-ROX-102125	Total/NA	Water	8270E	727811
MB 400-727811/1-A	Method Blank	Total/NA	Water	8270E	727811
LCS 400-727811/2-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCS 400-727811/3-A	Lab Control Sample	Total/NA	Water	8270E	727811
LCSD 400-727811/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	727811

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-728589/5
Matrix: Water
Analysis Batch: 728589

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			10/29/25 10:31	1
Acrolein	ND		20	3.3	ug/L			10/29/25 10:31	1
Acrylonitrile	ND		10	2.8	ug/L			10/29/25 10:31	1
Benzene	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Bromobenzene	ND		1.0	0.54	ug/L			10/29/25 10:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			10/29/25 10:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Bromoform	ND		5.0	0.25	ug/L			10/29/25 10:31	1
Bromomethane	ND		1.0	0.98	ug/L			10/29/25 10:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			10/29/25 10:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			10/29/25 10:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			10/29/25 10:31	1
Chloroethane	ND		1.0	0.76	ug/L			10/29/25 10:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			10/29/25 10:31	1
Chloroform	ND		1.0	0.90	ug/L			10/29/25 10:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			10/29/25 10:31	1
Chloromethane	ND		1.0	0.40	ug/L			10/29/25 10:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			10/29/25 10:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			10/29/25 10:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			10/29/25 10:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			10/29/25 10:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			10/29/25 10:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			10/29/25 10:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			10/29/25 10:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			10/29/25 10:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 10:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			10/29/25 10:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			10/29/25 10:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			10/29/25 10:31	1
2-Hexanone	ND		25	4.3	ug/L			10/29/25 10:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			10/29/25 10:31	1
Methylene bromide	ND		5.0	0.22	ug/L			10/29/25 10:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			10/29/25 10:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			10/29/25 10:31	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			10/29/25 10:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			10/29/25 10:31	1
Naphthalene	ND		5.0	3.0	ug/L			10/29/25 10:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			10/29/25 10:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/25 10:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			10/29/25 10:31	1
o-Xylene	ND		5.0	3.0	ug/L			10/29/25 10:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			10/29/25 10:31	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-728589/5
Matrix: Water
Analysis Batch: 728589

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			10/29/25 10:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			10/29/25 10:31	1
Styrene	ND		1.0	1.0	ug/L			10/29/25 10:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			10/29/25 10:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			10/29/25 10:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			10/29/25 10:31	1
Toluene	ND		1.0	0.90	ug/L			10/29/25 10:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			10/29/25 10:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			10/29/25 10:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			10/29/25 10:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			10/29/25 10:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			10/29/25 10:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			10/29/25 10:31	1
Trichloroethene	ND		1.0	0.15	ug/L			10/29/25 10:31	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			10/29/25 10:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			10/29/25 10:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			10/29/25 10:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			10/29/25 10:31	1
Vinyl acetate	ND		25	0.93	ug/L			10/29/25 10:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			10/29/25 10:31	1
Xylenes, Total	ND		10	6.0	ug/L			10/29/25 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*10/29/25 10:31*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*10/29/25 10:31*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*10/29/25 10:31*	*1*

Lab Sample ID: LCS 400-728589/1002
Matrix: Water
Analysis Batch: 728589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	365	*+	ug/L		182	43 - 150
Acrolein	500	534		ug/L		107	38 - 150
Acrylonitrile	500	513		ug/L		103	64 - 142
Benzene	50.0	49.8		ug/L		100	70 - 130
Bromobenzene	50.0	47.2		ug/L		94	70 - 132
Bromochloromethane	50.0	51.5		ug/L		103	70 - 130
Bromodichloromethane	50.0	49.9		ug/L		100	67 - 133
Bromoform	50.0	43.5		ug/L		87	57 - 140
Bromomethane	50.0	102	*+	ug/L		203	10 - 150
2-Butanone (MEK)	200	212		ug/L		106	61 - 145
Carbon disulfide	50.0	54.4		ug/L		109	61 - 137
Carbon tetrachloride	50.0	47.1		ug/L		94	61 - 137
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130
Chloroethane	50.0	72.1	*+	ug/L		144	55 - 141
2-Chloroethyl vinyl ether	50.0	38.1		ug/L		76	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728589/1002
Matrix: Water
Analysis Batch: 728589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.7		ug/L		101	69 - 130
1-Chlorohexane	50.0	55.7		ug/L		111	69 - 130
Chloromethane	50.0	63.6		ug/L		127	58 - 137
cis-1,2-Dichloroethene	50.0	49.4		ug/L		99	68 - 130
cis-1,3-Dichloropropene	50.0	47.7		ug/L		95	69 - 132
Dibromochloromethane	50.0	50.1		ug/L		100	67 - 135
1,2-Dichlorobenzene	50.0	54.7		ug/L		109	67 - 130
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	44.1		ug/L		88	41 - 146
1,1-Dichloroethane	50.0	48.4		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	50.5		ug/L		101	69 - 130
1,1-Dichloroethene	50.0	49.7		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	50.1		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	46.2		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	53.2		ug/L		106	70 - 130
Ethyl methacrylate	50.0	45.2		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	53.7		ug/L		107	53 - 140
2-Hexanone	200	201		ug/L		100	65 - 137
Isopropylbenzene	50.0	52.9		ug/L		106	70 - 130
Methylene bromide	50.0	51.4		ug/L		103	70 - 130
Methylene Chloride	50.0	54.8		ug/L		110	66 - 135
4-Methyl-2-pentanone (MIBK)	200	191		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	45.4		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	51.1		ug/L		102	70 - 130
Naphthalene	50.0	42.4		ug/L		85	47 - 149
n-Butylbenzene	50.0	67.3	*+	ug/L		135	67 - 130
N-Propylbenzene	50.0	52.3		ug/L		105	70 - 130
o-Chlorotoluene	50.0	53.5		ug/L		107	70 - 130
o-Xylene	50.0	51.7		ug/L		103	70 - 130
p-Chlorotoluene	50.0	52.8		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	55.2		ug/L		110	65 - 130
sec-Butylbenzene	50.0	55.9		ug/L		112	66 - 130
Styrene	50.0	51.9		ug/L		104	70 - 130
tert-Butylbenzene	50.0	53.9		ug/L		108	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/L		99	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/L		97	70 - 131
Tetrachloroethene	50.0	46.4		ug/L		93	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	48.6		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	45.0		ug/L		90	60 - 138
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	68 - 130
1,1,2-Trichloroethane	50.0	50.3		ug/L		101	70 - 130
Trichloroethene	50.0	47.4		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	64.1		ug/L		128	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-728589/1002
Matrix: Water
Analysis Batch: 728589

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	46.5		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	52.4		ug/L		105	69 - 130
Vinyl acetate	100	119		ug/L		119	26 - 150
Vinyl chloride	50.0	51.3		ug/L		103	59 - 136
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*56 - 136*
Dibromofluoromethane	*106*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-728877/3
Matrix: Water
Analysis Batch: 728877

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			10/31/25 07:40	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			10/31/25 07:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*113*		*50 - 150*		*10/31/25 07:40*	*1*
Toluene-d8 (Surr)	*90*		*50 - 150*		*10/31/25 07:40*	*1*
4-Bromofluorobenzene	*82*		*50 - 150*		*10/31/25 07:40*	*1*

Lab Sample ID: LCS 400-728877/1001
Matrix: Water
Analysis Batch: 728877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.443		ug/L		89	50 - 150
1,2-Dibromoethane	0.500	0.566		ug/L		113	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*111*		*50 - 150*
Toluene-d8 (Surr)	*89*		*50 - 150*
4-Bromofluorobenzene	*83*		*50 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		10/23/25 09:26	10/25/25 22:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		10/23/25 09:26	10/25/25 22:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzenethiol	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
Anthracene	ND		0.20	0.073	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzoic acid	ND		100	80	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzyl alcohol	ND		35	30	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		10/23/25 09:26	10/25/25 22:37	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		10/23/25 09:26	10/25/25 22:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		10/23/25 09:26	10/25/25 22:37	1
Chrysene	ND		0.20	0.039	ug/L		10/23/25 09:26	10/25/25 22:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloroaniline	ND		10	0.58	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluoranthene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		10/23/25 09:26	10/25/25 22:37	1
Fluorene	ND		0.20	0.087	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chloronaphthalene	ND		10	0.38	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Chlorophenol	ND		10	0.84	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		10/23/25 09:26	10/25/25 22:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dibenzofuran	ND		10	0.64	ug/L		10/23/25 09:26	10/25/25 22:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenanthrene	ND		0.20	0.044	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyrene	ND		0.20	0.095	ug/L		10/23/25 09:26	10/25/25 22:37	1
Diethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		10/23/25 09:26	10/25/25 22:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		10/23/25 09:26	10/25/25 22:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,4-Dioxane	ND		10	4.3	ug/L		10/23/25 09:26	10/25/25 22:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		10/23/25 09:26	10/25/25 22:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		10/23/25 09:26	10/25/25 22:37	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-727811/1-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		10/23/25 09:26	10/25/25 22:37	1
Indene	ND		10	0.44	ug/L		10/23/25 09:26	10/25/25 22:37	1
Isophorone	ND		10	0.80	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Methylphenol	ND		10	0.76	ug/L		10/23/25 09:26	10/25/25 22:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitroaniline	ND		10	1.4	ug/L		10/23/25 09:26	10/25/25 22:37	1
3-Nitroaniline	ND		10	0.95	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitroaniline	ND		10	3.5	ug/L		10/23/25 09:26	10/25/25 22:37	1
Nitrobenzene	ND		10	0.60	ug/L		10/23/25 09:26	10/25/25 22:37	1
2-Nitrophenol	ND		10	1.2	ug/L		10/23/25 09:26	10/25/25 22:37	1
4-Nitrophenol	ND		10	2.7	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		10/23/25 09:26	10/25/25 22:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pentachlorophenol	ND		10	2.8	ug/L		10/23/25 09:26	10/25/25 22:37	1
Phenol	1.22	J	10	0.68	ug/L		10/23/25 09:26	10/25/25 22:37	1
Pyridine	ND		10	3.0	ug/L		10/23/25 09:26	10/25/25 22:37	1
Quinoline	ND		10	0.50	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		10/23/25 09:26	10/25/25 22:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		10/23/25 09:26	10/25/25 22:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*43 - 147*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorobiphenyl	*70*		*25 - 139*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2-Fluorophenol	*71*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Nitrobenzene-d5	*74*		*22 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Phenol-d5	*56*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
Terphenyl-d14	*77*		*28 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*
2,4,6-Tribromophenol	*88*		*10 - 150*	*10/23/25 09:26*	*10/25/25 22:37*	*1*

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	23.3		ug/L		70	29 - 150
Aniline	33.3	25.4		ug/L		76	10 - 134
Acenaphthylene	33.3	23.9		ug/L		72	30 - 150
Anthracene	33.3	26.6		ug/L		80	31 - 150
Benzoic acid	143	142		ug/L		99	10 - 180
Benzo[a]anthracene	33.3	25.8		ug/L		77	36 - 150
Benzyl alcohol	33.3	ND		ug/L		82	10 - 150
Benzo[a]pyrene	33.3	25.4		ug/L		76	29 - 150
Bis(2-chloroethoxy)methane	33.3	27.9		ug/L		84	34 - 120
Benzo[b]fluoranthene	33.3	27.7		ug/L		83	32 - 150
Bis(2-chloroethyl)ether	33.3	24.0		ug/L		72	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	25.0		ug/L		75	28 - 150
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	24.3		ug/L		73	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	27.7		ug/L		83	24 - 133
4-Bromophenyl phenyl ether	33.3	27.0		ug/L		81	24 - 120
Chrysene	33.3	25.7		ug/L		77	34 - 150
Butyl benzyl phthalate	33.3	22.3		ug/L		67	24 - 140
Dibenz(a,h)anthracene	33.3	23.8		ug/L		71	29 - 150
4-Chloroaniline	33.3	30.8		ug/L		92	10 - 150
Fluoranthene	33.3	26.8		ug/L		80	30 - 150
4-Chloro-3-methylphenol	33.3	28.6		ug/L		86	10 - 137
Fluorene	33.3	24.6		ug/L		74	30 - 150
2-Chloronaphthalene	33.3	18.7		ug/L		56	10 - 150
2-Chlorophenol	33.3	27.4		ug/L		82	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	22.4		ug/L		67	28 - 150
1-Methylnaphthalene	33.3	21.0		ug/L		63	25 - 150
4-Chlorophenyl phenyl ether	33.3	23.5		ug/L		71	31 - 110
2-Methylnaphthalene	33.3	22.6		ug/L		68	24 - 150
Dibenz[a,h]acridine	33.3	26.6		ug/L		80	40 - 150
Dibenzofuran	33.3	23.8		ug/L		72	35 - 110
3,3'-Dichlorobenzidine	66.7	34.6		ug/L		52	10 - 150
Phenanthrene	33.3	26.0		ug/L		78	32 - 150
2,4-Dichlorophenol	33.3	25.8		ug/L		77	30 - 125
Pyrene	33.3	27.5		ug/L		83	30 - 150
Diethyl phthalate	33.3	18.5		ug/L		55	31 - 118
2,4-Dimethylphenol	33.3	24.7		ug/L		74	10 - 142
Dimethyl phthalate	33.3	16.8		ug/L		50	24 - 125
Di-n-butyl phthalate	33.3	25.0		ug/L		75	30 - 127
4,6-Dinitro-ortho-cresol	66.7	40.2		ug/L		60	10 - 150
2,4-Dinitrophenol	66.7	32.6		ug/L		49	10 - 150
2,4-Dinitrotoluene	33.3	27.8		ug/L		83	30 - 129
2,6-Dinitrotoluene	33.3	28.9		ug/L		87	34 - 132
Di-n-octyl phthalate	33.3	25.8		ug/L		77	28 - 142
1,4-Dioxane	33.3	28.7		ug/L		86	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.3		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.1		ug/L		78	29 - 113
Hexachlorocyclopentadiene	33.3	15.9	J	ug/L		48	10 - 150
Hexachloroethane	33.3	18.8		ug/L		56	10 - 112
Indene	33.3	18.3		ug/L		55	10 - 113
Isophorone	33.3	25.6		ug/L		77	29 - 125
2-Methylphenol	33.3	28.6		ug/L		86	11 - 121
3 & 4 Methylphenol	33.3	28.4		ug/L		85	10 - 150
2-Nitroaniline	33.3	27.8		ug/L		83	31 - 141
3-Nitroaniline	33.3	27.7		ug/L		83	33 - 136
4-Nitroaniline	33.3	24.8		ug/L		74	37 - 139
Nitrobenzene	33.3	24.6		ug/L		74	29 - 129
2-Nitrophenol	33.3	25.9		ug/L		78	31 - 142
4-Nitrophenol	66.7	69.6		ug/L		104	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-727811/2-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	26.7		ug/L		80	10 - 136
N-Nitrosodi-n-propylamine	33.3	26.7		ug/L		80	50 - 134
N-Nitrosodiphenylamine	33.1	26.5		ug/L		80	50 - 132
Pentachlorophenol	66.7	54.8		ug/L		82	14 - 150
Phenol	33.3	31.2		ug/L		93	10 - 150
Pyridine	66.7	56.1		ug/L		84	10 - 150
Quinoline	33.3	27.0		ug/L		81	40 - 150
2,4,5-Trichlorophenol	33.3	25.5		ug/L		76	27 - 136
2,4,6-Trichlorophenol	33.3	24.4		ug/L		73	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*72*		*50 - 150*
Terphenyl-d14	*74*		*43 - 147*
2-Fluorobiphenyl	*70*		*25 - 139*
2-Fluorophenol	*87*		*10 - 150*
Nitrobenzene-d5	*72*		*22 - 150*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: LCS 400-727811/3-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	33.3	18.4		ug/L		55	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*25 - 139*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*70*		*22 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*68*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Lab Sample ID: LCSD 400-727811/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol	33.3	19.7		ug/L		59	10 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*25 - 139*
2-Fluorophenol	*79*		*10 - 150*
Nitrobenzene-d5	*67*		*22 - 150*
Phenol-d5	*74*		*10 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-727811/4-A
Matrix: Water
Analysis Batch: 728176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727811

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	*70*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola, 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 10/21/2025
PO #	**GSAP Project ID**	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS: 100 N Broadway 20th Floor; ST LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

SAMPLER NAME(S) (Print): M Massa, T Jones

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com, brett.howell@aecom.com

- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com, Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

FIELD NOTES:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-102125-8260	10/21/2025	0000	Water	2					2	X			
	TB-ROX-102125-8260SIM	10/21/2025	0000	Water	2					2		X		
	P114R-ROX-102125-EB	10/21/2025	1100	Water	6			4		10	X	X	X	X
	P114R-ROX-102125	10/21/2025	1320	Water	6			4		10	X	X	X	X

400-284522 Chain of Custody

10/21/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4234 9608 5719	10/21/2025	1600
	BP	10/22/25	932

Version: 21July25

CUSTODY SEALS: 2698057, 2698056

1-0 C SFR10

11/3/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-284522-1

Login Number: 284522
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-284522-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-287334-1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 1/8/26

Event Reviewed: 4th Quarter 2025 Resamples

Reviewed By and Date: Delaine Austin 01/14/2026

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW24-ROX-121025	VOCs	4-Bromofluorobenzene	**137**	56-136

Analytical data reported as non-detect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-733889/1003	VOCs	n-Butylbenzene	**131**	NA	67-130

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that required dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	Organics The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				

Method 8260D (VOCs)

The continuing calibration verifications (CCVs) for methylene chloride and bromochloromethane were outside evaluation criteria, biased low. Equipment blanks and trip blanks are quality control samples and do not require data qualification.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW24-ROX-121025	VOCs	Methylene Chloride	UJ
MW24-ROX-121025	VOCs	Bromochloromethane	UJ
MW4-ROX-121025	VOCs	Methylene Chloride	UJ
MW4-ROX-121025	VOCs	Bromochloromethane	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 12/17/2025 1:05:23 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-287334-1

Reviewed 1/8/2026
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
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Job Narrative
400-287334-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/12/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-733889 recovered above the upper control limit for Hexachlorobutadiene, o-Chlorotoluene, p-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene and 1,3,5-Trimethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-733889/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-733889 recovered outside acceptance criteria, low biased, for Bromochloromethane and Methylene Chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-121025 (400-287334-4). Elevated reporting limits (RLs) are provided.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-733889 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-ROX-121025-8260 (400-287334-1), MW24-ROX-121025-EB (400-287334-2), MW24-ROX-121025 (400-287334-3) and MW4-ROX-121025 (400-287334-4). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-724487 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-287334-1	TB-ROX-121025-8260	Water	12/10/25 00:00	12/12/25 09:55	Illinois
400-287334-2	MW24-ROX-121025-EB	Water	12/10/25 09:10	12/12/25 09:55	Illinois
400-287334-3	MW24-ROX-121025	Water	12/10/25 09:45	12/12/25 09:55	Illinois
400-287334-4	MW4-ROX-121025	Water	12/10/25 11:05	12/12/25 09:55	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: TB-ROX-121025-8260 — Lab Sample ID: 400-287334-1

No Detections.

Client Sample ID: MW24-ROX-121025-EB — Lab Sample ID: 400-287334-2

No Detections.

Client Sample ID: MW24-ROX-121025 — Lab Sample ID: 400-287334-3

No Detections.

Client Sample ID: MW4-ROX-121025 — Lab Sample ID: 400-287334-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	280000		2500	1300	ug/L	2500		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: TB-ROX-121025-8260
Date Collected: 12/10/25 00:00
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/16/25 22:10	1
Acrolein	ND		20	3.3	ug/L			12/16/25 22:10	1
Acrylonitrile	ND		10	6.7	ug/L			12/16/25 22:10	1
Benzene	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Bromobenzene	ND		1.0	0.54	ug/L			12/16/25 22:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/16/25 22:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Bromoform	ND		5.0	0.25	ug/L			12/16/25 22:10	1
Bromomethane	ND		1.0	0.98	ug/L			12/16/25 22:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/16/25 22:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/16/25 22:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/16/25 22:10	1
Chloroethane	ND		1.0	0.76	ug/L			12/16/25 22:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/16/25 22:10	1
Chloroform	ND		1.0	0.90	ug/L			12/16/25 22:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/16/25 22:10	1
Chloromethane	ND		1.0	0.84	ug/L			12/16/25 22:10	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/16/25 22:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/16/25 22:10	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/16/25 22:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/16/25 22:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/16/25 22:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/16/25 22:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/16/25 22:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/16/25 22:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 22:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/16/25 22:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/16/25 22:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/16/25 22:10	1
2-Hexanone	ND		25	9.1	ug/L			12/16/25 22:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/16/25 22:10	1
Methylene bromide	ND		5.0	0.22	ug/L			12/16/25 22:10	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/16/25 22:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/16/25 22:10	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/16/25 22:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/16/25 22:10	1
Naphthalene	ND		5.0	3.0	ug/L			12/16/25 22:10	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			12/16/25 22:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/16/25 22:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/16/25 22:10	1
o-Xylene	ND		5.0	3.0	ug/L			12/16/25 22:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/16/25 22:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/16/25 22:10	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: TB-ROX-121025-8260
Date Collected: 12/10/25 00:00
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/16/25 22:10	1
Styrene	ND		1.0	1.0	ug/L			12/16/25 22:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/16/25 22:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/16/25 22:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/16/25 22:10	1
Toluene	ND		1.0	0.90	ug/L			12/16/25 22:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 22:10	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/16/25 22:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/16/25 22:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/16/25 22:10	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/16/25 22:10	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/16/25 22:10	1
Trichloroethene	ND		1.0	0.48	ug/L			12/16/25 22:10	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/16/25 22:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/16/25 22:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/16/25 22:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/16/25 22:10	1
Vinyl acetate	ND		25	0.93	ug/L			12/16/25 22:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/16/25 22:10	1
Xylenes, Total	ND		10	6.0	ug/L			12/16/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*133*		*56 - 136*		*12/16/25 22:10*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*12/16/25 22:10*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*12/16/25 22:10*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW24-ROX-121025-EB
Date Collected: 12/10/25 09:10
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/16/25 22:35	1
Acrolein	ND		20	3.3	ug/L			12/16/25 22:35	1
Acrylonitrile	ND		10	6.7	ug/L			12/16/25 22:35	1
Benzene	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Bromobenzene	ND		1.0	0.54	ug/L			12/16/25 22:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/16/25 22:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Bromoform	ND		5.0	0.25	ug/L			12/16/25 22:35	1
Bromomethane	ND		1.0	0.98	ug/L			12/16/25 22:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/16/25 22:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/16/25 22:35	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/16/25 22:35	1
Chloroethane	ND		1.0	0.76	ug/L			12/16/25 22:35	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/16/25 22:35	1
Chloroform	ND		1.0	0.90	ug/L			12/16/25 22:35	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/16/25 22:35	1
Chloromethane	ND		1.0	0.84	ug/L			12/16/25 22:35	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/16/25 22:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/16/25 22:35	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/16/25 22:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/16/25 22:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/16/25 22:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/16/25 22:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/16/25 22:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/16/25 22:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 22:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/16/25 22:35	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/16/25 22:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/16/25 22:35	1
2-Hexanone	ND		25	9.1	ug/L			12/16/25 22:35	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/16/25 22:35	1
Methylene bromide	ND		5.0	0.22	ug/L			12/16/25 22:35	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/16/25 22:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/16/25 22:35	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/16/25 22:35	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/16/25 22:35	1
Naphthalene	ND		5.0	3.0	ug/L			12/16/25 22:35	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			12/16/25 22:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/16/25 22:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/16/25 22:35	1
o-Xylene	ND		5.0	3.0	ug/L			12/16/25 22:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/16/25 22:35	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/16/25 22:35	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW24-ROX-121025-EB
Date Collected: 12/10/25 09:10
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/16/25 22:35	1
Styrene	ND		1.0	1.0	ug/L			12/16/25 22:35	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/16/25 22:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/16/25 22:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/16/25 22:35	1
Toluene	ND		1.0	0.90	ug/L			12/16/25 22:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 22:35	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/16/25 22:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/16/25 22:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/16/25 22:35	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/16/25 22:35	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/16/25 22:35	1
Trichloroethene	ND		1.0	0.48	ug/L			12/16/25 22:35	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/16/25 22:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/16/25 22:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/16/25 22:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/16/25 22:35	1
Vinyl acetate	ND		25	0.93	ug/L			12/16/25 22:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/16/25 22:35	1
Xylenes, Total	ND		10	6.0	ug/L			12/16/25 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*129*		*56 - 136*		*12/16/25 22:35*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*12/16/25 22:35*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*12/16/25 22:35*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW24-ROX-121025
Date Collected: 12/10/25 09:45
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/16/25 23:01	1
Acrolein	ND		20	3.3	ug/L			12/16/25 23:01	1
Acrylonitrile	ND		10	6.7	ug/L			12/16/25 23:01	1
Benzene	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Bromobenzene	ND		1.0	0.54	ug/L			12/16/25 23:01	1
Bromochloromethane	ND	UJ	1.0	0.52	ug/L			12/16/25 23:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Bromoform	ND		5.0	0.25	ug/L			12/16/25 23:01	1
Bromomethane	ND		1.0	0.98	ug/L			12/16/25 23:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/16/25 23:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/16/25 23:01	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/16/25 23:01	1
Chloroethane	ND		1.0	0.76	ug/L			12/16/25 23:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/16/25 23:01	1
Chloroform	ND		1.0	0.90	ug/L			12/16/25 23:01	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/16/25 23:01	1
Chloromethane	ND		1.0	0.84	ug/L			12/16/25 23:01	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/16/25 23:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/16/25 23:01	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/16/25 23:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/16/25 23:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/16/25 23:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/16/25 23:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/16/25 23:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/16/25 23:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 23:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/16/25 23:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/16/25 23:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/16/25 23:01	1
2-Hexanone	ND		25	9.1	ug/L			12/16/25 23:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/16/25 23:01	1
Methylene bromide	ND		5.0	0.22	ug/L			12/16/25 23:01	1
Methylene Chloride	ND	UJ	5.0	4.0	ug/L			12/16/25 23:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/16/25 23:01	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/16/25 23:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/16/25 23:01	1
Naphthalene	ND		5.0	3.0	ug/L			12/16/25 23:01	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			12/16/25 23:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/16/25 23:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/16/25 23:01	1
o-Xylene	ND		5.0	3.0	ug/L			12/16/25 23:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/16/25 23:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/16/25 23:01	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW24-ROX-121025
Date Collected: 12/10/25 09:45
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/16/25 23:01	1
Styrene	ND		1.0	1.0	ug/L			12/16/25 23:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/16/25 23:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/16/25 23:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/16/25 23:01	1
Toluene	ND		1.0	0.90	ug/L			12/16/25 23:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 23:01	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/16/25 23:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/16/25 23:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/16/25 23:01	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/16/25 23:01	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/16/25 23:01	1
Trichloroethene	ND		1.0	0.48	ug/L			12/16/25 23:01	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/16/25 23:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/16/25 23:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/16/25 23:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/16/25 23:01	1
Vinyl acetate	ND		25	0.93	ug/L			12/16/25 23:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/16/25 23:01	1
Xylenes, Total	ND		10	6.0	ug/L			12/16/25 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*137*	*S1+*	*56 - 136*		*12/16/25 23:01*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*12/16/25 23:01*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/16/25 23:01*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW4-ROX-121025
Date Collected: 12/10/25 11:05
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		63000	25000	ug/L			12/16/25 23:26	2500
Acrolein	ND		50000	8300	ug/L			12/16/25 23:26	2500
Acrylonitrile	ND		25000	17000	ug/L			12/16/25 23:26	2500
Benzene	**280000**		2500	1300	ug/L			12/16/25 23:26	2500
Bromobenzene	ND		2500	1400	ug/L			12/16/25 23:26	2500
Bromochloromethane	ND	UJ	2500	1300	ug/L			12/16/25 23:26	2500
Bromodichloromethane	ND		2500	1300	ug/L			12/16/25 23:26	2500
Bromoform	ND		13000	630	ug/L			12/16/25 23:26	2500
Bromomethane	ND		2500	2500	ug/L			12/16/25 23:26	2500
2-Butanone (MEK)	ND		63000	6500	ug/L			12/16/25 23:26	2500
Carbon disulfide	ND		2500	1300	ug/L			12/16/25 23:26	2500
Carbon tetrachloride	ND		2500	1200	ug/L			12/16/25 23:26	2500
Chlorobenzene	ND		2500	1100	ug/L			12/16/25 23:26	2500
Chloroethane	ND		2500	1900	ug/L			12/16/25 23:26	2500
2-Chloroethyl vinyl ether	ND		13000	5000	ug/L			12/16/25 23:26	2500
Chloroform	ND		2500	2300	ug/L			12/16/25 23:26	2500
1-Chlorohexane	ND		2500	800	ug/L			12/16/25 23:26	2500
Chloromethane	ND		2500	2100	ug/L			12/16/25 23:26	2500
cis-1,2-Dichloroethene	ND		2500	1900	ug/L			12/16/25 23:26	2500
cis-1,3-Dichloropropene	ND		13000	1300	ug/L			12/16/25 23:26	2500
Dibromochloromethane	ND		2500	1500	ug/L			12/16/25 23:26	2500
1,2-Dichlorobenzene	ND		2500	1300	ug/L			12/16/25 23:26	2500
1,3-Dichlorobenzene	ND		2500	1400	ug/L			12/16/25 23:26	2500
1,4-Dichlorobenzene	ND		2500	1600	ug/L			12/16/25 23:26	2500
Dichlorodifluoromethane	ND		2500	2100	ug/L			12/16/25 23:26	2500
1,1-Dichloroethane	ND		2500	1300	ug/L			12/16/25 23:26	2500
1,2-Dichloroethane	ND		2500	1400	ug/L			12/16/25 23:26	2500
1,1-Dichloroethene	ND		2500	1300	ug/L			12/16/25 23:26	2500
1,2-Dichloropropane	ND		2500	1300	ug/L			12/16/25 23:26	2500
1,3-Dichloropropane	ND		2500	1300	ug/L			12/16/25 23:26	2500
2,2-Dichloropropane	ND		2500	1300	ug/L			12/16/25 23:26	2500
1,1-Dichloropropene	ND		2500	850	ug/L			12/16/25 23:26	2500
Ethylbenzene	ND		2500	1300	ug/L			12/16/25 23:26	2500
Ethyl methacrylate	ND		2500	1500	ug/L			12/16/25 23:26	2500
Hexachlorobutadiene	ND		13000	2300	ug/L			12/16/25 23:26	2500
2-Hexanone	ND		63000	23000	ug/L			12/16/25 23:26	2500
Isopropylbenzene	ND		2500	1300	ug/L			12/16/25 23:26	2500
Methylene bromide	ND		13000	550	ug/L			12/16/25 23:26	2500
Methylene Chloride	ND	UJ	13000	10000	ug/L			12/16/25 23:26	2500
4-Methyl-2-pentanone (MIBK)	ND		63000	4500	ug/L			12/16/25 23:26	2500
Methyl tert-butyl ether	ND		2500	550	ug/L			12/16/25 23:26	2500
m-Xylene & p-Xylene	ND		13000	7500	ug/L			12/16/25 23:26	2500
Naphthalene	ND		13000	7500	ug/L			12/16/25 23:26	2500
n-Butylbenzene	ND	*+	2500	1900	ug/L			12/16/25 23:26	2500
N-Propylbenzene	ND		2500	1700	ug/L			12/16/25 23:26	2500
o-Chlorotoluene	ND		2500	1400	ug/L			12/16/25 23:26	2500
o-Xylene	ND		13000	7500	ug/L			12/16/25 23:26	2500
p-Chlorotoluene	ND		2500	1400	ug/L			12/16/25 23:26	2500
p-Isopropyltoluene	ND		2500	1800	ug/L			12/16/25 23:26	2500

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Client Sample ID: MW4-ROX-121025
Date Collected: 12/10/25 11:05
Date Received: 12/12/25 09:55

Lab Sample ID: 400-287334-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2500	1800	ug/L			12/16/25 23:26	2500
Styrene	ND		2500	2500	ug/L			12/16/25 23:26	2500
tert-Butylbenzene	ND		2500	1600	ug/L			12/16/25 23:26	2500
1,1,1,2-Tetrachloroethane	ND		2500	950	ug/L			12/16/25 23:26	2500
1,1,2,2-Tetrachloroethane	ND		2500	1300	ug/L			12/16/25 23:26	2500
Tetrachloroethene	ND		2500	830	ug/L			12/16/25 23:26	2500
Toluene	ND		2500	2300	ug/L			12/16/25 23:26	2500
trans-1,2-Dichloroethene	ND		2500	1300	ug/L			12/16/25 23:26	2500
trans-1,3-Dichloropropene	ND		13000	1200	ug/L			12/16/25 23:26	2500
1,2,3-Trichlorobenzene	ND		2500	2300	ug/L			12/16/25 23:26	2500
1,2,4-Trichlorobenzene	ND		2500	2100	ug/L			12/16/25 23:26	2500
1,1,1-Trichloroethane	ND		2500	980	ug/L			12/16/25 23:26	2500
1,1,2-Trichloroethane	ND		13000	2500	ug/L			12/16/25 23:26	2500
Trichloroethene	ND		2500	1200	ug/L			12/16/25 23:26	2500
Trichlorofluoromethane	ND		2500	630	ug/L			12/16/25 23:26	2500
1,2,3-Trichloropropane	ND		13000	2100	ug/L			12/16/25 23:26	2500
1,2,4-Trimethylbenzene	ND		2500	2100	ug/L			12/16/25 23:26	2500
1,3,5-Trimethylbenzene	ND		2500	1400	ug/L			12/16/25 23:26	2500
Vinyl acetate	ND		63000	2300	ug/L			12/16/25 23:26	2500
Vinyl chloride	ND		2500	1300	ug/L			12/16/25 23:26	2500
Xylenes, Total	ND		25000	15000	ug/L			12/16/25 23:26	2500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*131*		*56 - 136*		*12/16/25 23:26*	*2500*
Dibromofluoromethane	*92*		*79 - 130*		*12/16/25 23:26*	*2500*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/16/25 23:26*	*2500*

Definitions/Glossary

Client: AECOM
Job ID: 400-287334-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-287334-1	TB-ROX-121025-8260	133	94	102
400-287334-2	MW24-ROX-121025-EB	129	93	102
400-287334-3	MW24-ROX-121025	137 S1+	92	99
400-287334-4	MW4-ROX-121025	131	92	100
LCS 400-733889/1003	Lab Control Sample	106	92	99
MB 400-733889/5	Method Blank	126	91	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-287334-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-121025-8260
Lab Sample ID: 400-287334-1
Date Collected: 12/10/25 00:00
Matrix: Water
Date Received: 12/12/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	733889	12/16/25 22:10	CAR	EET PEN

Client Sample ID: MW24-ROX-121025-EB
Lab Sample ID: 400-287334-2
Date Collected: 12/10/25 09:10
Matrix: Water
Date Received: 12/12/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	733889	12/16/25 22:35	CAR	EET PEN

Client Sample ID: MW24-ROX-121025
Lab Sample ID: 400-287334-3
Date Collected: 12/10/25 09:45
Matrix: Water
Date Received: 12/12/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	733889	12/16/25 23:01	CAR	EET PEN

Client Sample ID: MW4-ROX-121025
Lab Sample ID: 400-287334-4
Date Collected: 12/10/25 11:05
Matrix: Water
Date Received: 12/12/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2500	5 mL	5 mL	733889	12/16/25 23:26	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-733889/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	733889	12/16/25 14:39	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-733889/1003
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	733889	12/16/25 13:25	CAR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-287334-1

GC/MS VOA

Analysis Batch: 733889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-287334-1	TB-ROX-121025-8260	Total/NA	Water	8260D	
400-287334-2	MW24-ROX-121025-EB	Total/NA	Water	8260D	
400-287334-3	MW24-ROX-121025	Total/NA	Water	8260D	
400-287334-4	MW4-ROX-121025	Total/NA	Water	8260D	
MB 400-733889/5	Method Blank	Total/NA	Water	8260D	
LCS 400-733889/1003	Lab Control Sample	Total/NA	Water	8260D	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-733889/5
Matrix: Water
Analysis Batch: 733889

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/16/25 14:39	1
Acrolein	ND		20	3.3	ug/L			12/16/25 14:39	1
Acrylonitrile	ND		10	6.7	ug/L			12/16/25 14:39	1
Benzene	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Bromobenzene	ND		1.0	0.54	ug/L			12/16/25 14:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/16/25 14:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Bromoform	ND		5.0	0.25	ug/L			12/16/25 14:39	1
Bromomethane	ND		1.0	0.98	ug/L			12/16/25 14:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/16/25 14:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/16/25 14:39	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/16/25 14:39	1
Chloroethane	ND		1.0	0.76	ug/L			12/16/25 14:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/16/25 14:39	1
Chloroform	ND		1.0	0.90	ug/L			12/16/25 14:39	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/16/25 14:39	1
Chloromethane	ND		1.0	0.84	ug/L			12/16/25 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/16/25 14:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/16/25 14:39	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/16/25 14:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/16/25 14:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/16/25 14:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/16/25 14:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/16/25 14:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/16/25 14:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 14:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/16/25 14:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/16/25 14:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/16/25 14:39	1
2-Hexanone	ND		25	9.1	ug/L			12/16/25 14:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/16/25 14:39	1
Methylene bromide	ND		5.0	0.22	ug/L			12/16/25 14:39	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/16/25 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/16/25 14:39	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/16/25 14:39	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/16/25 14:39	1
Naphthalene	ND		5.0	3.0	ug/L			12/16/25 14:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/16/25 14:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/16/25 14:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/16/25 14:39	1
o-Xylene	ND		5.0	3.0	ug/L			12/16/25 14:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/16/25 14:39	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-733889/5
Matrix: Water
Analysis Batch: 733889

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/16/25 14:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/16/25 14:39	1
Styrene	ND		1.0	1.0	ug/L			12/16/25 14:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/16/25 14:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/16/25 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/16/25 14:39	1
Toluene	ND		1.0	0.90	ug/L			12/16/25 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/16/25 14:39	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/16/25 14:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/16/25 14:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/16/25 14:39	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/16/25 14:39	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/16/25 14:39	1
Trichloroethene	ND		1.0	0.48	ug/L			12/16/25 14:39	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/16/25 14:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/16/25 14:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/16/25 14:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/16/25 14:39	1
Vinyl acetate	ND		25	0.93	ug/L			12/16/25 14:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/16/25 14:39	1
Xylenes, Total	ND		10	6.0	ug/L			12/16/25 14:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*126*		*56 - 136*		*12/16/25 14:39*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*12/16/25 14:39*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*12/16/25 14:39*	*1*

Lab Sample ID: LCS 400-733889/1003
Matrix: Water
Analysis Batch: 733889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	226		ug/L		113	43 - 150
Acrolein	500	581		ug/L		116	38 - 150
Acrylonitrile	500	464		ug/L		93	64 - 142
Benzene	50.0	48.7		ug/L		97	70 - 130
Bromobenzene	50.0	51.1		ug/L		102	70 - 132
Bromochloromethane	50.0	38.4		ug/L		77	70 - 130
Bromodichloromethane	50.0	50.7		ug/L		101	67 - 133
Bromoform	50.0	47.1		ug/L		94	57 - 140
Bromomethane	50.0	39.8		ug/L		80	10 - 150
2-Butanone (MEK)	200	240		ug/L		120	61 - 145
Carbon disulfide	50.0	33.4		ug/L		67	61 - 137
Carbon tetrachloride	50.0	46.6		ug/L		93	61 - 137
Chlorobenzene	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	51.2		ug/L		102	55 - 141
2-Chloroethyl vinyl ether	50.0	45.7		ug/L		91	10 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-733889/1003
Matrix: Water
Analysis Batch: 733889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	49.2		ug/L		98	69 - 130
1-Chlorohexane	50.0	58.6		ug/L		117	69 - 130
Chloromethane	50.0	45.5		ug/L		91	58 - 137
cis-1,2-Dichloroethene	50.0	47.7		ug/L		95	68 - 130
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	69 - 132
Dibromochloromethane	50.0	50.0		ug/L		100	67 - 135
1,2-Dichlorobenzene	50.0	55.6		ug/L		111	67 - 130
1,3-Dichlorobenzene	50.0	58.0		ug/L		116	70 - 130
1,4-Dichlorobenzene	50.0	57.5		ug/L		115	70 - 130
Dichlorodifluoromethane	50.0	57.9		ug/L		116	41 - 146
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	48.9		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	41.4		ug/L		83	63 - 134
1,2-Dichloropropane	50.0	52.1		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	53.6		ug/L		107	70 - 130
2,2-Dichloropropane	50.0	47.2		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	47.2		ug/L		94	70 - 130
Ethylbenzene	50.0	57.0		ug/L		114	70 - 130
Ethyl methacrylate	50.0	52.0		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	63.9		ug/L		128	53 - 140
2-Hexanone	200	246		ug/L		123	65 - 137
Isopropylbenzene	50.0	56.4		ug/L		113	70 - 130
Methylene bromide	50.0	45.4		ug/L		91	70 - 130
Methylene Chloride	50.0	38.7		ug/L		77	66 - 135
4-Methyl-2-pentanone (MIBK)	200	195		ug/L		97	69 - 138
Methyl tert-butyl ether	50.0	43.9		ug/L		88	66 - 130
m-Xylene & p-Xylene	50.0	56.8		ug/L		114	70 - 130
Naphthalene	50.0	47.9		ug/L		96	47 - 149
n-Butylbenzene	50.0	65.6	*+	ug/L		131	67 - 130
N-Propylbenzene	50.0	55.8		ug/L		112	70 - 130
o-Chlorotoluene	50.0	61.3		ug/L		123	70 - 130
o-Xylene	50.0	56.1		ug/L		112	70 - 130
p-Chlorotoluene	50.0	61.9		ug/L		124	70 - 130
p-Isopropyltoluene	50.0	62.2		ug/L		124	65 - 130
sec-Butylbenzene	50.0	62.1		ug/L		124	66 - 130
Styrene	50.0	53.2		ug/L		106	70 - 130
tert-Butylbenzene	50.0	63.7		ug/L		127	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 131
Tetrachloroethene	50.0	47.8		ug/L		96	65 - 130
Toluene	50.0	50.5		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	42.5		ug/L		85	70 - 130
trans-1,3-Dichloropropene	50.0	51.3		ug/L		103	63 - 130
1,2,3-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	55.5		ug/L		111	60 - 140
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	68 - 130
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	70 - 130
Trichloroethene	50.0	44.5		ug/L		89	70 - 130
Trichlorofluoromethane	50.0	47.0		ug/L		94	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-733889/1003
Matrix: Water
Analysis Batch: 733889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	51.7		ug/L		103	70 - 130		
1,2,4-Trimethylbenzene			50.0	59.0		ug/L		118	70 - 130		
1,3,5-Trimethylbenzene			50.0	60.6		ug/L		121	69 - 130		
Vinyl acetate			100	101		ug/L		101	26 - 150		
Vinyl chloride			50.0	49.9		ug/L		100	59 - 136		
Xylenes, Total			100	113		ug/L		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE. 12/10/2025
PO #	GSAP Project ID	PAGE. 1 of 1
60771235 – 3.5.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60771235 – 3.5.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N Broadway 20th Floor; ST LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 4Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Mary Massa

TELEPHONE:	FAX:	Bill To Contact E-MAIL
314-429-0100	314-429-0462	melissa.remiger@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☐ STANDARD (14 DAY) ☑ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com, mary.massa@aecom.com; brett.howell@aecom.com

***Include "J" values on Reports.**
Provide sample receipt upon login.
Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 3.5.2

LAB USE ONLY
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

400-287334 Chain of Custody

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260
	TB-ROX-121025-8260	12/10/2025	0000	Water	2					2	X
	MW24-ROX-121025-EB	12/10/2025	0910	Water	3					3	X
	MW24-ROX-121025	12/10/2025	0945	Water	3					3	X
	MW4-ROX-121025	12/10/2025	1105	Water	3					3	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MARY MASSA	FEDEX: 4234 9608 5708	12/10/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	0.0° IR10	12/11/2025	9:55
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2460013, 2460012

12/17/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-287334-1

Login Number: 287334
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-287334-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-26
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

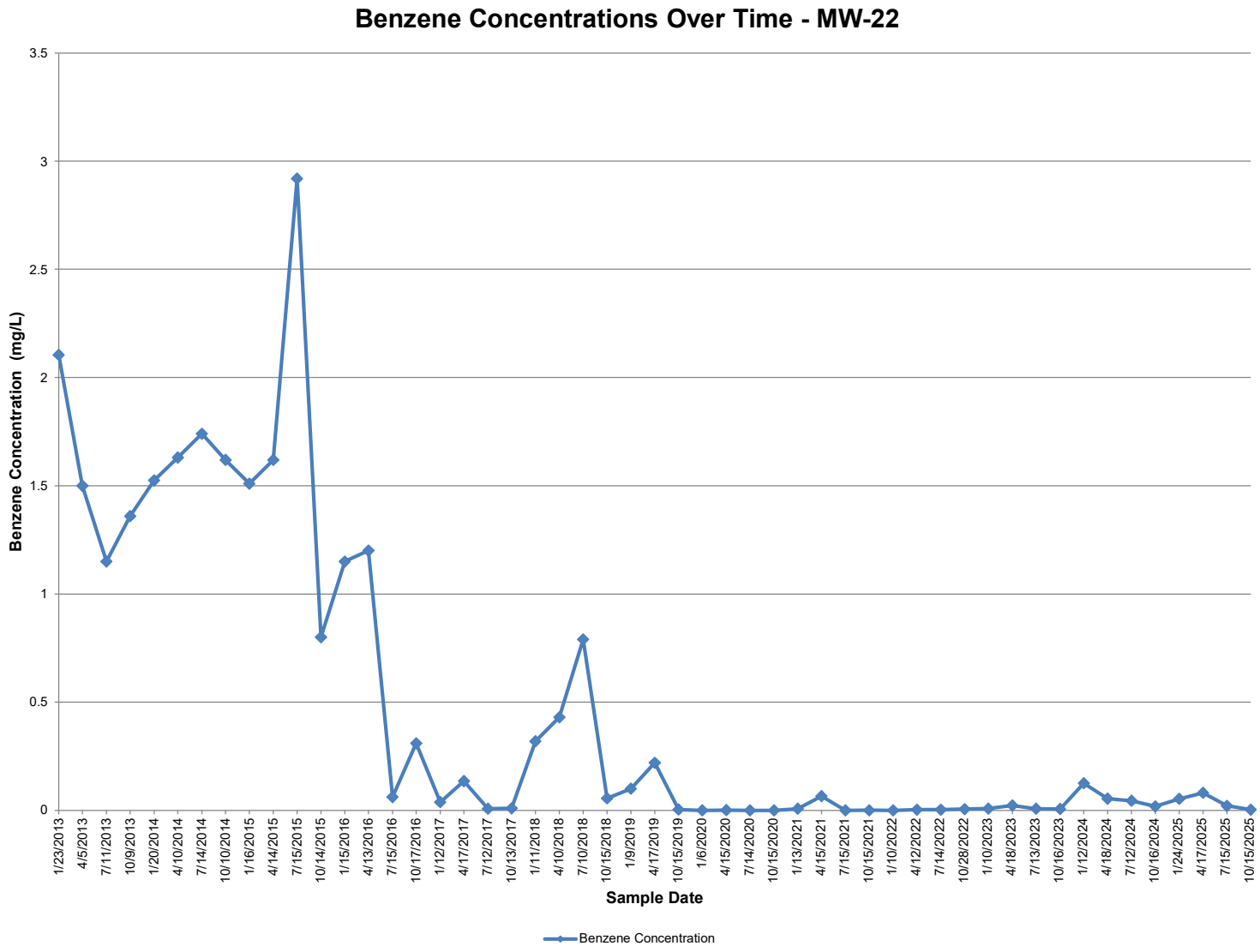
Appendix D

Appendix D – 1 Charts – Benzene Concentrations Over Time

Appendix D – 2 GWSDAT Charts

- 4th Street area – MW-22, ROST-4-PZ(C), P-59, and T-12
- Public Works Yard area – MW-7, MW-25, and P-57

4th Street Area



Notes:

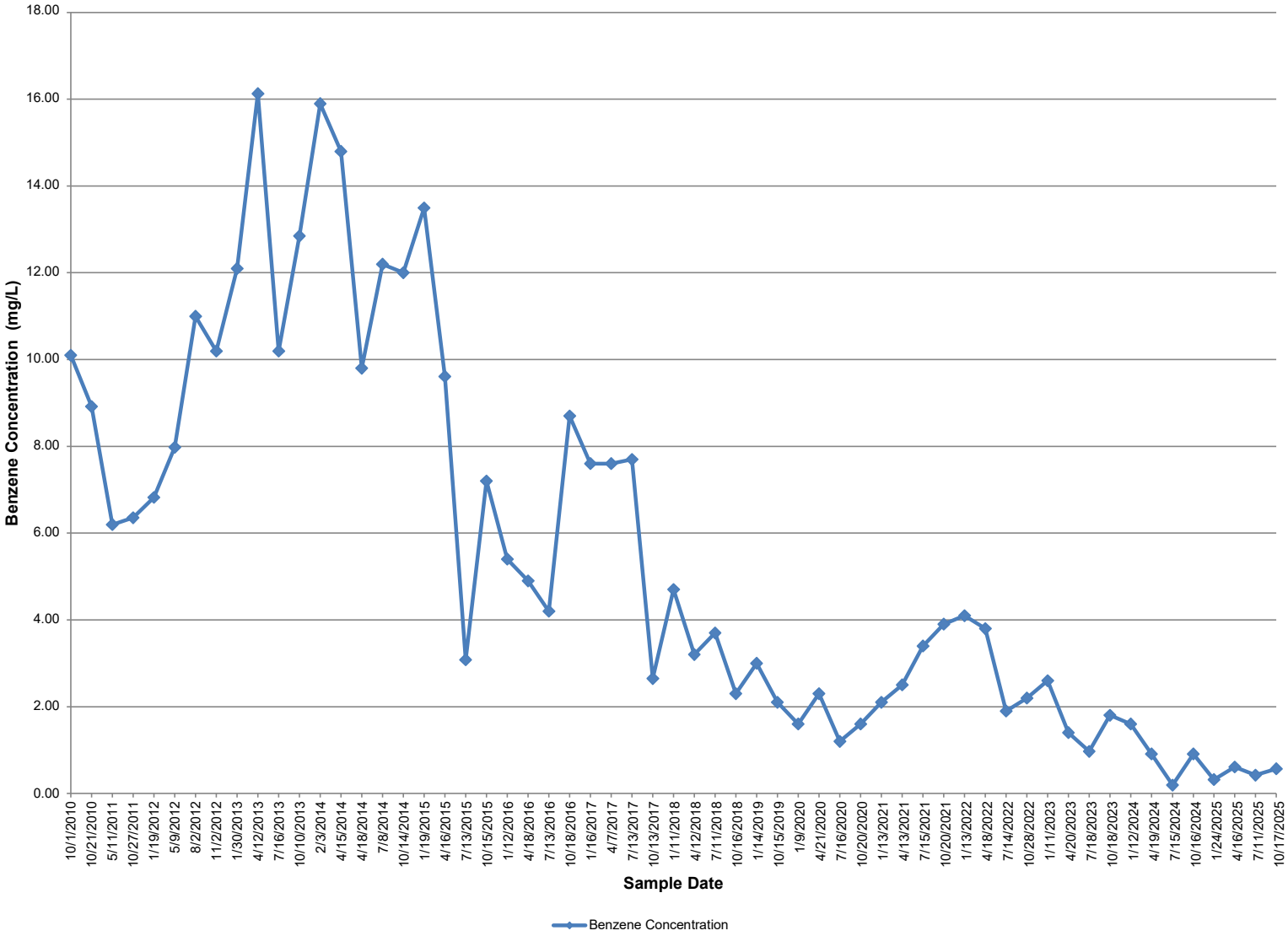
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.

Benzene Concentrations Over Time - P-59



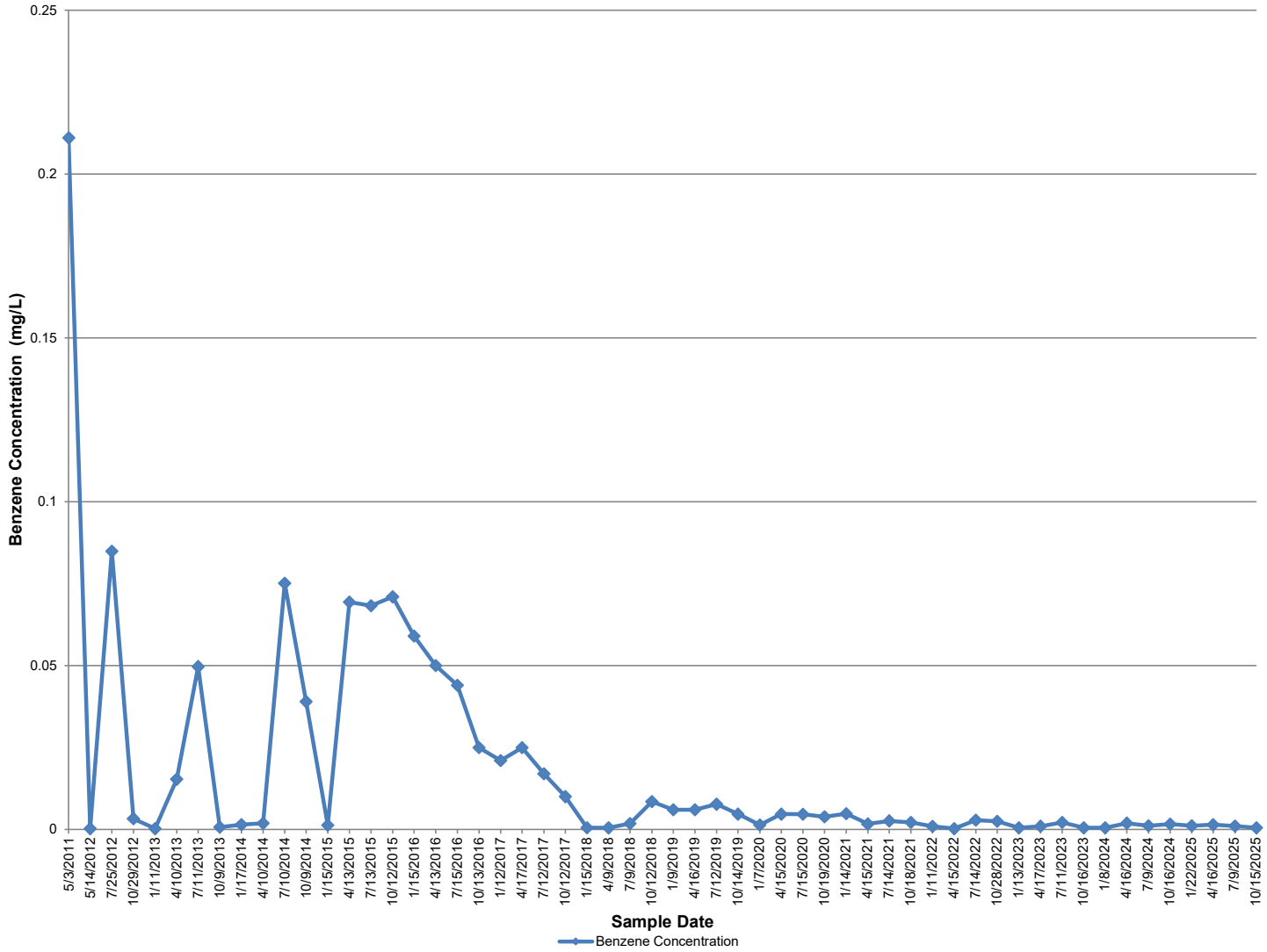
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Benzene Concentrations Over Time - ROST-4-PZ(C)



Notes:

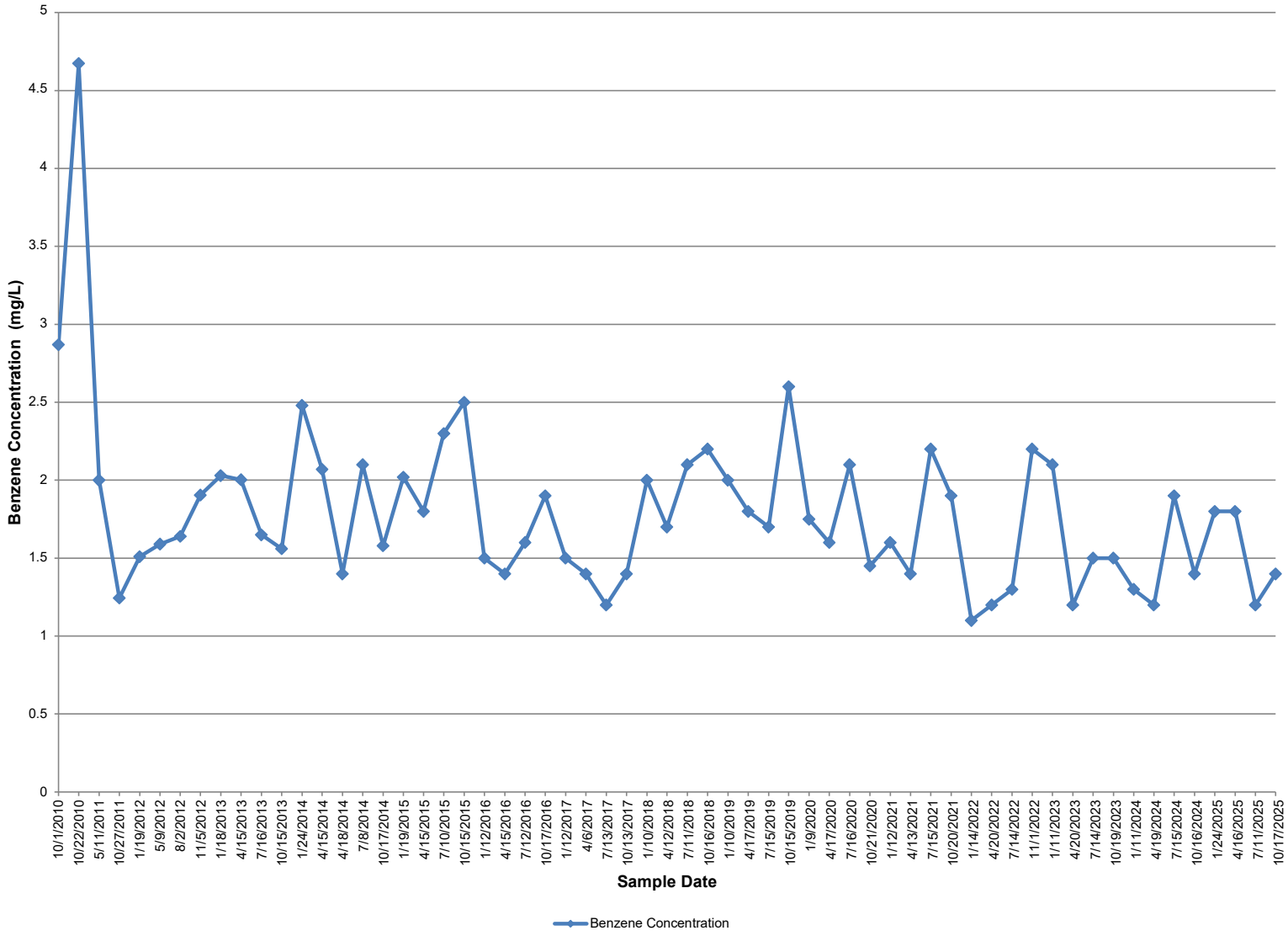
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.

Benzene Concentrations Over Time - T-12



Notes:

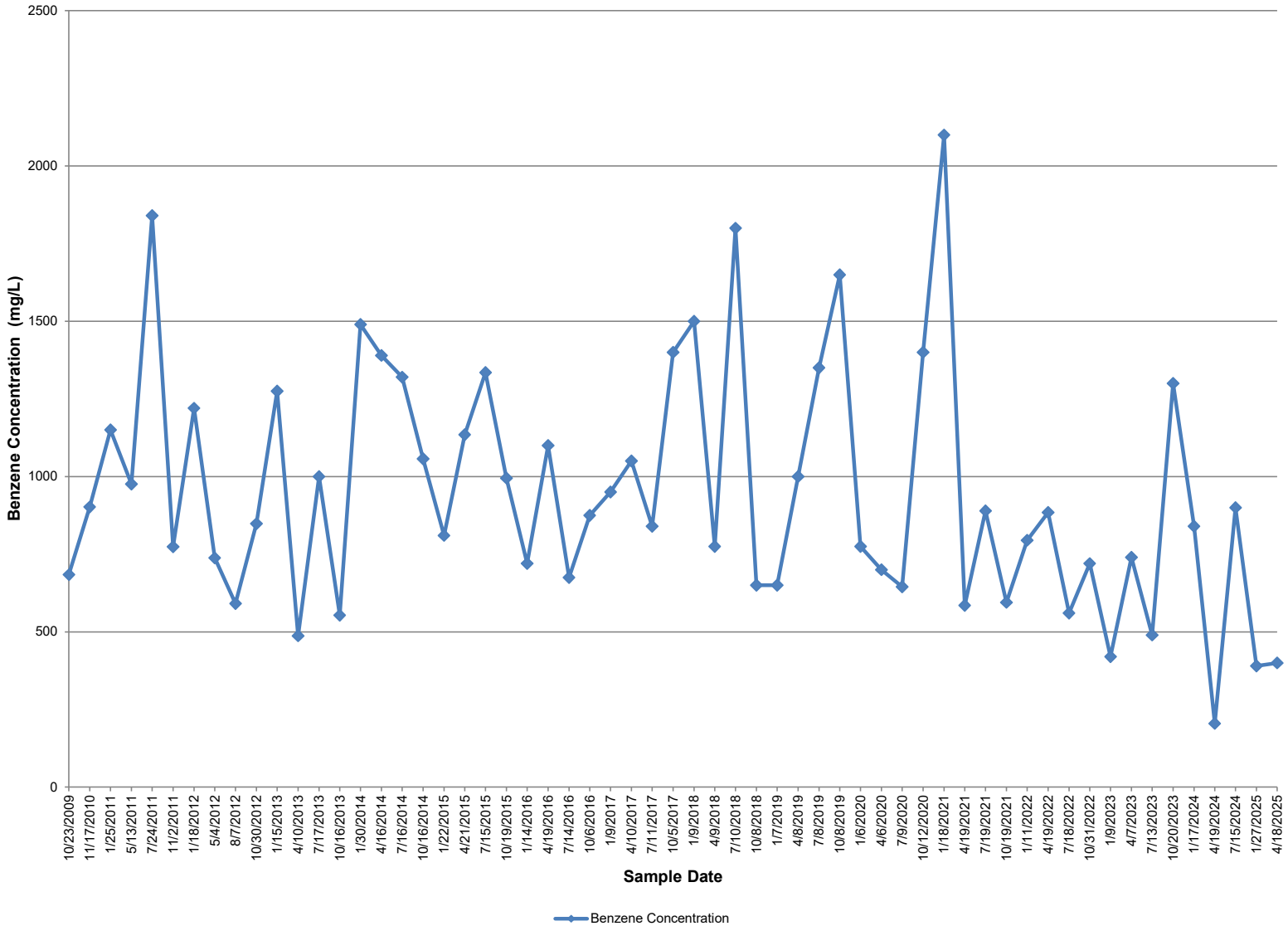
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Public Works Yard Area

Benzene Concentrations Over Time - MW-07

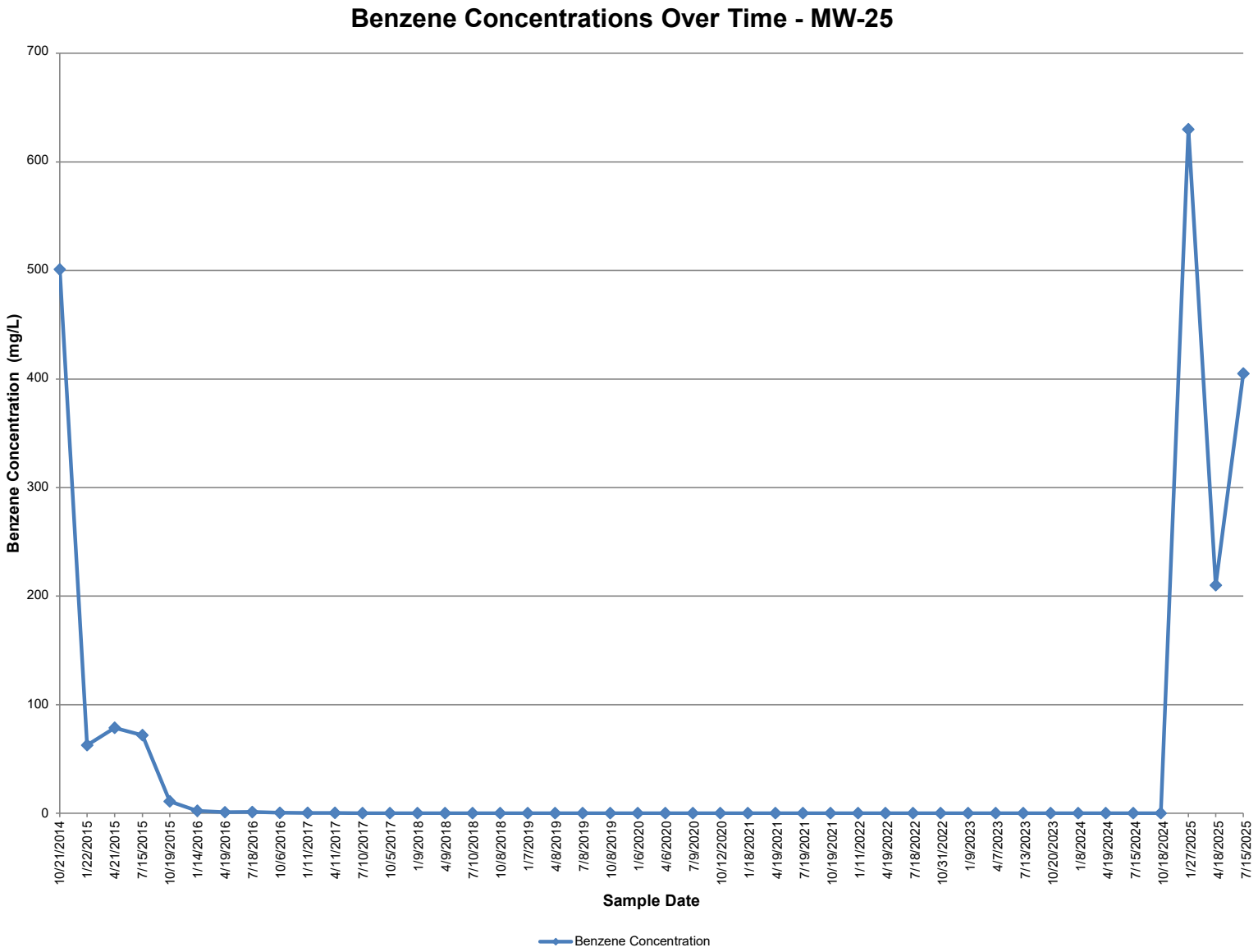


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



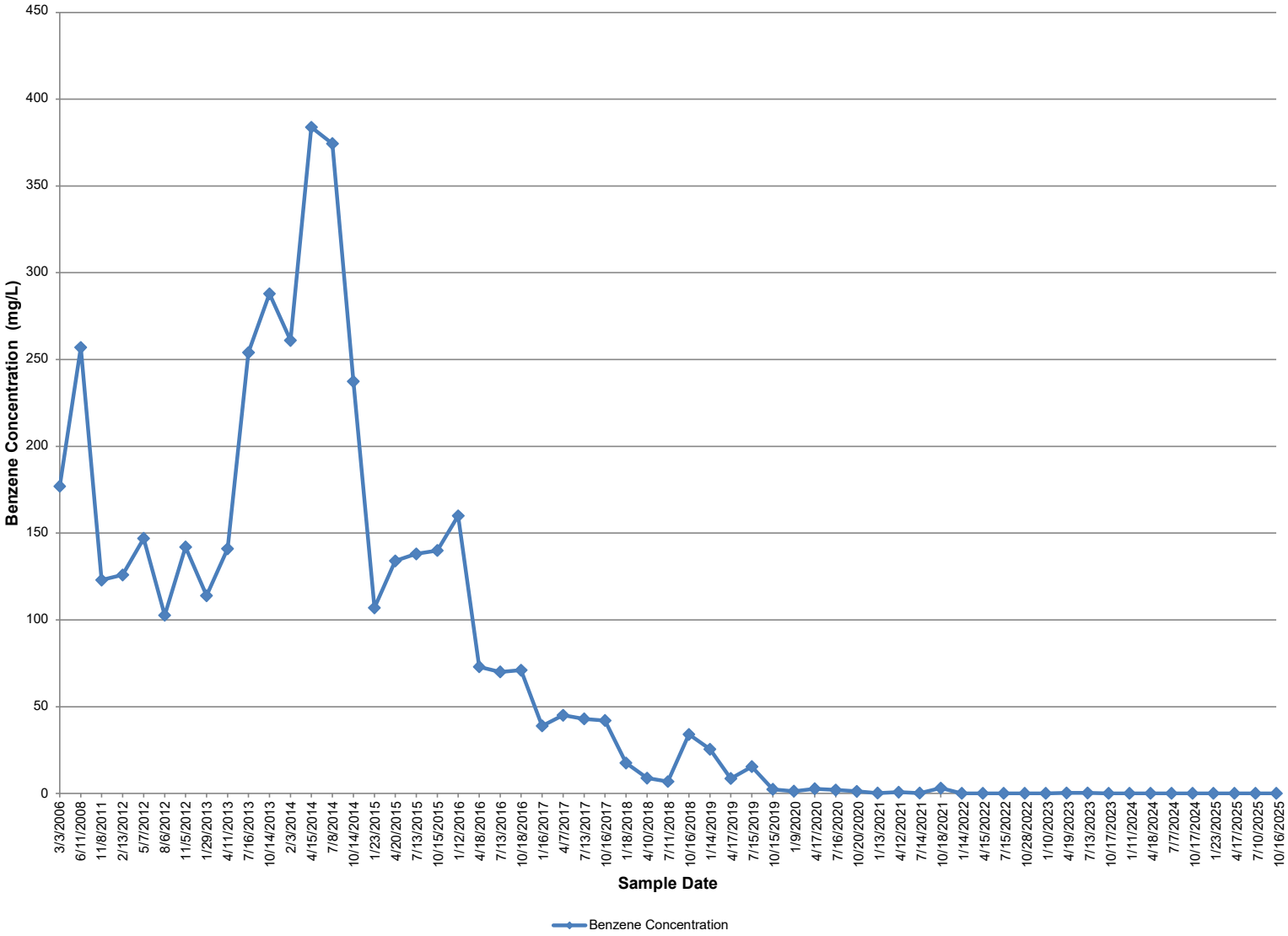
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Benzene Concentrations Over Time - P-57



Notes:

mg/L = milligrams per liter

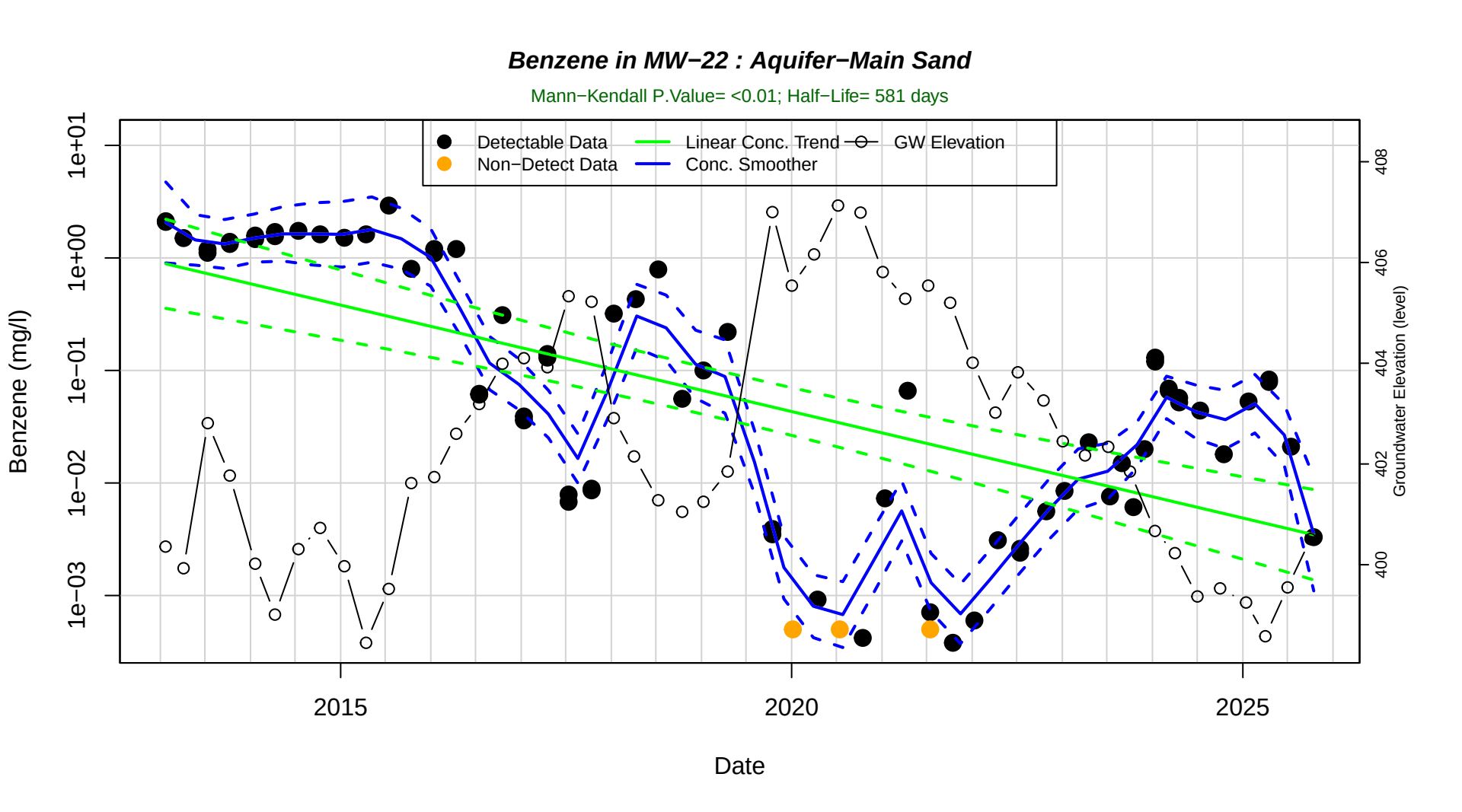
Duplicate values were averaged.

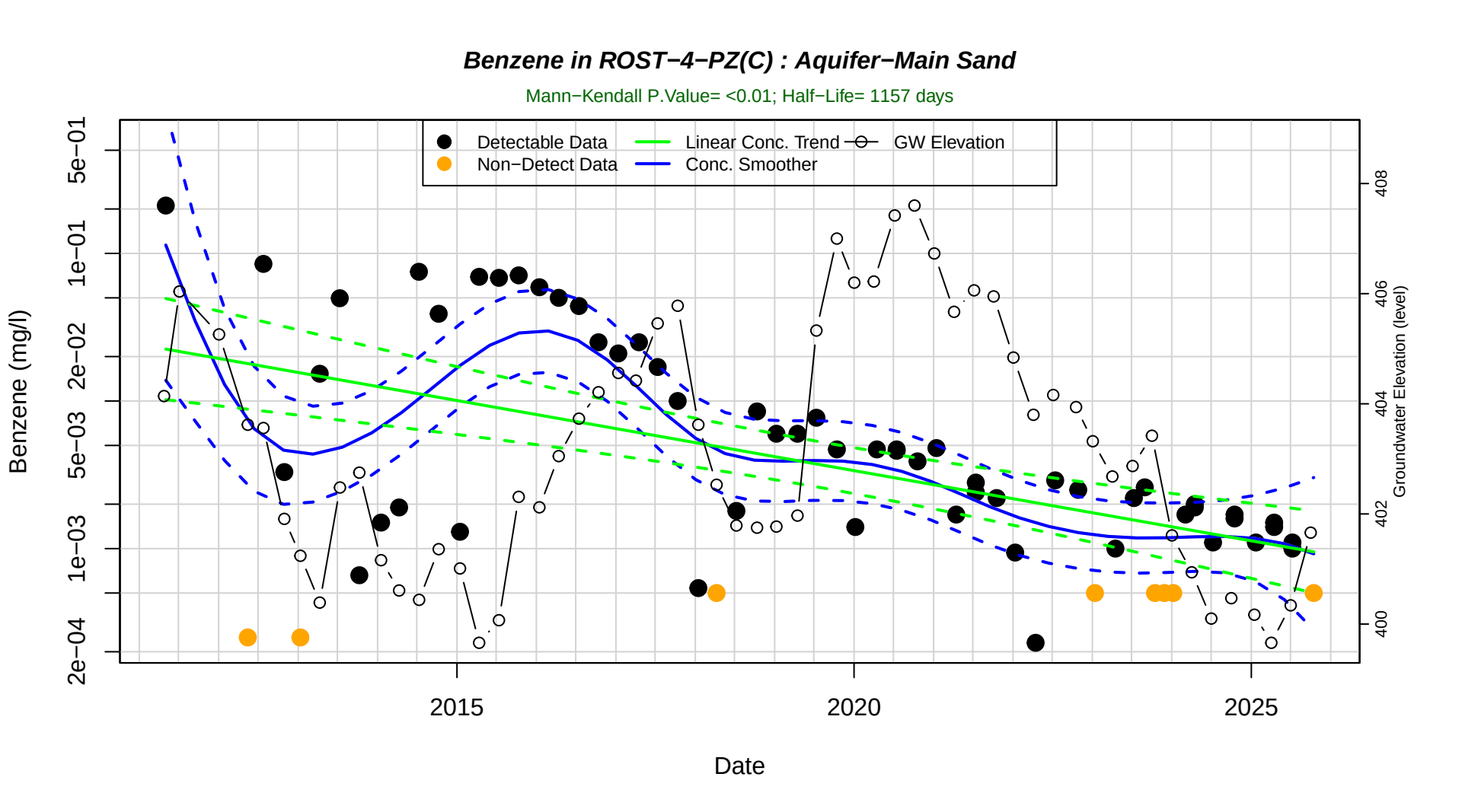
Timeframe specific to available data.

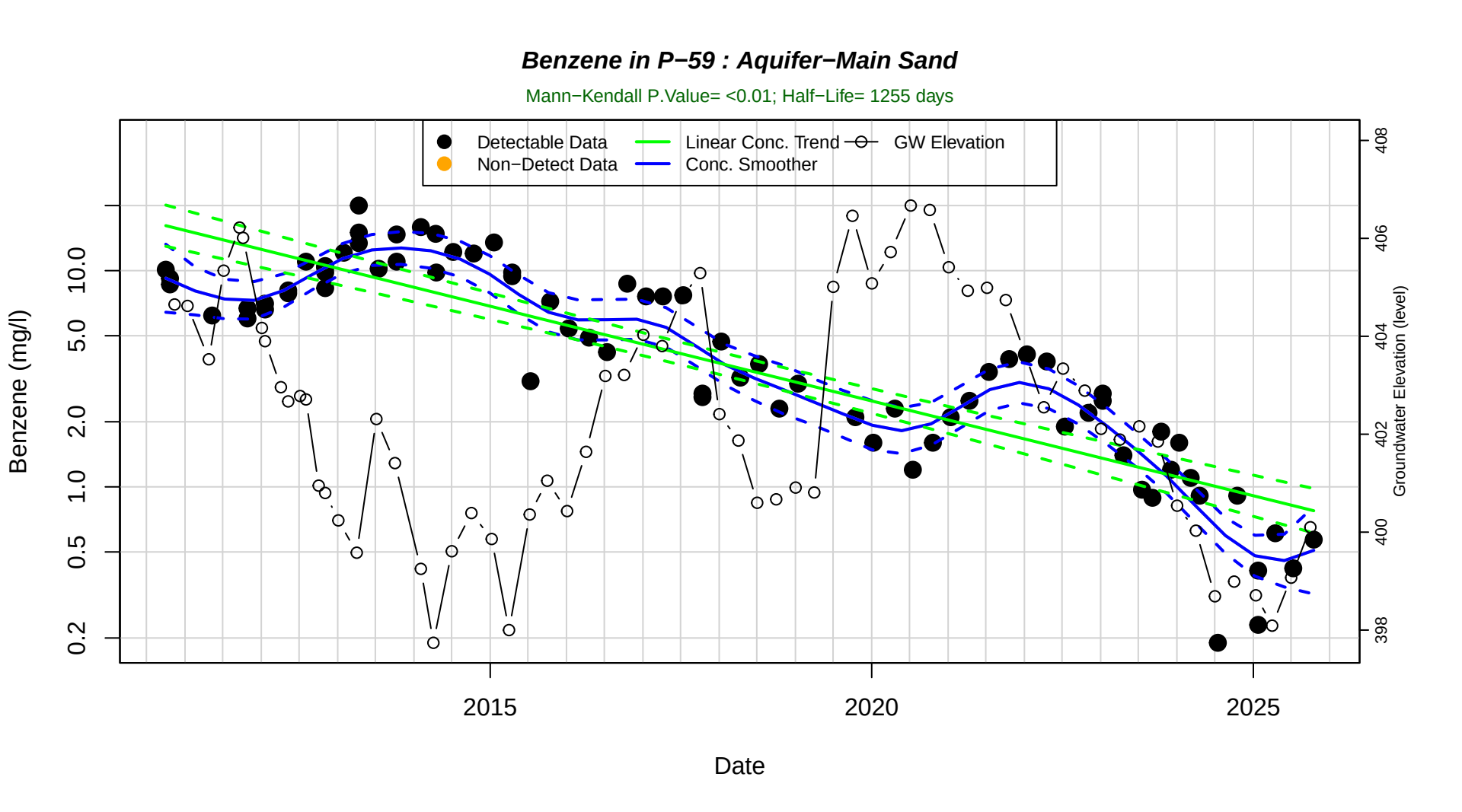
GWSDAT Summary/Legend

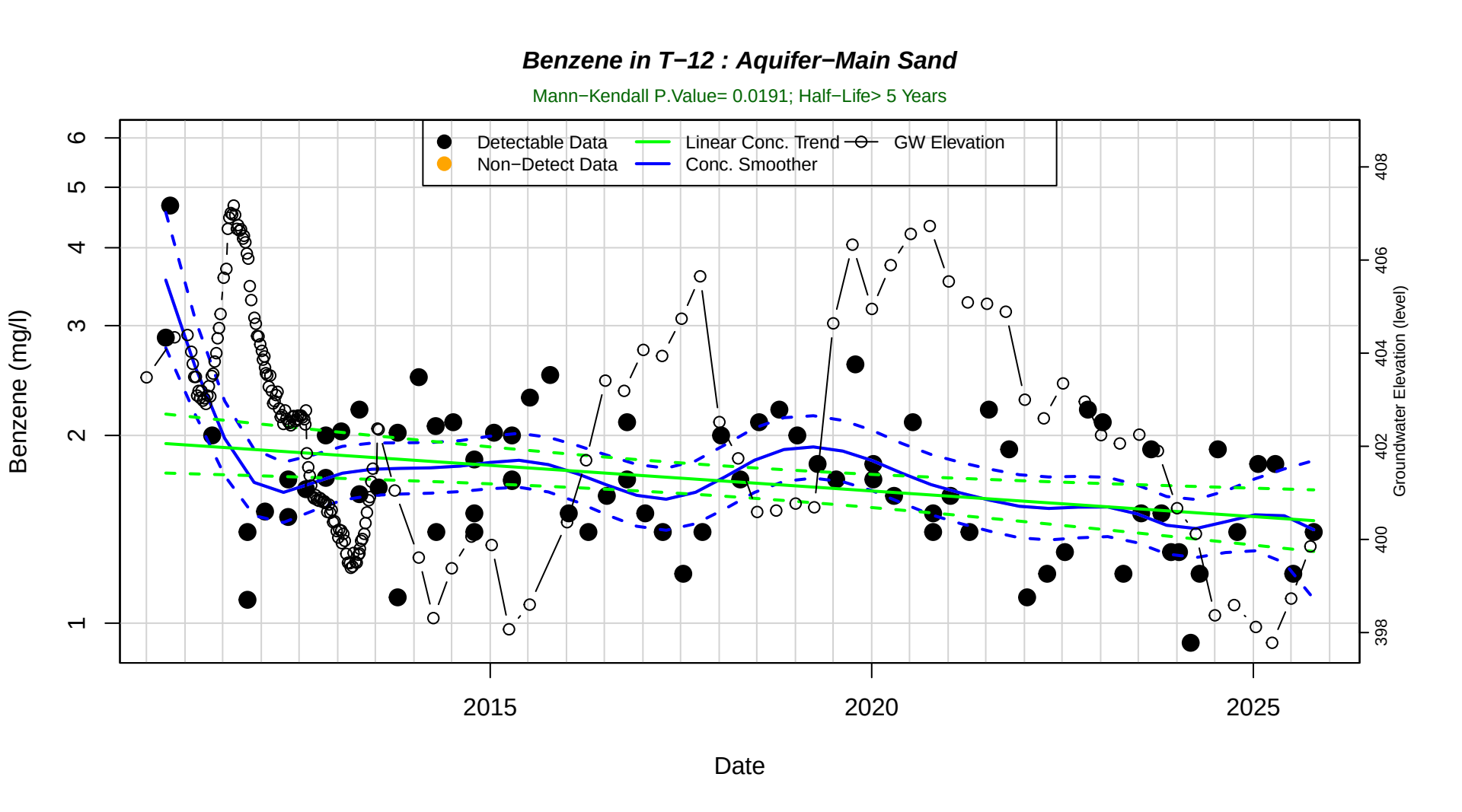
Black Solid Data Points	=	Detections
Orange Solid Data Points	=	Non-Detects
Black-Hollow Data Points	=	Groundwater Elevation
Solid Blue Line	=	Smoothed estimate of the mean trend
Dashed Blue Line	=	95% confidence interval around the estimated mean trend
Solid Green Line	=	Linear trend estimate (Mann-Kendall Analysis)
Dashed Green Line	=	95% confidence interval around linear trend estimate

4th Street Area

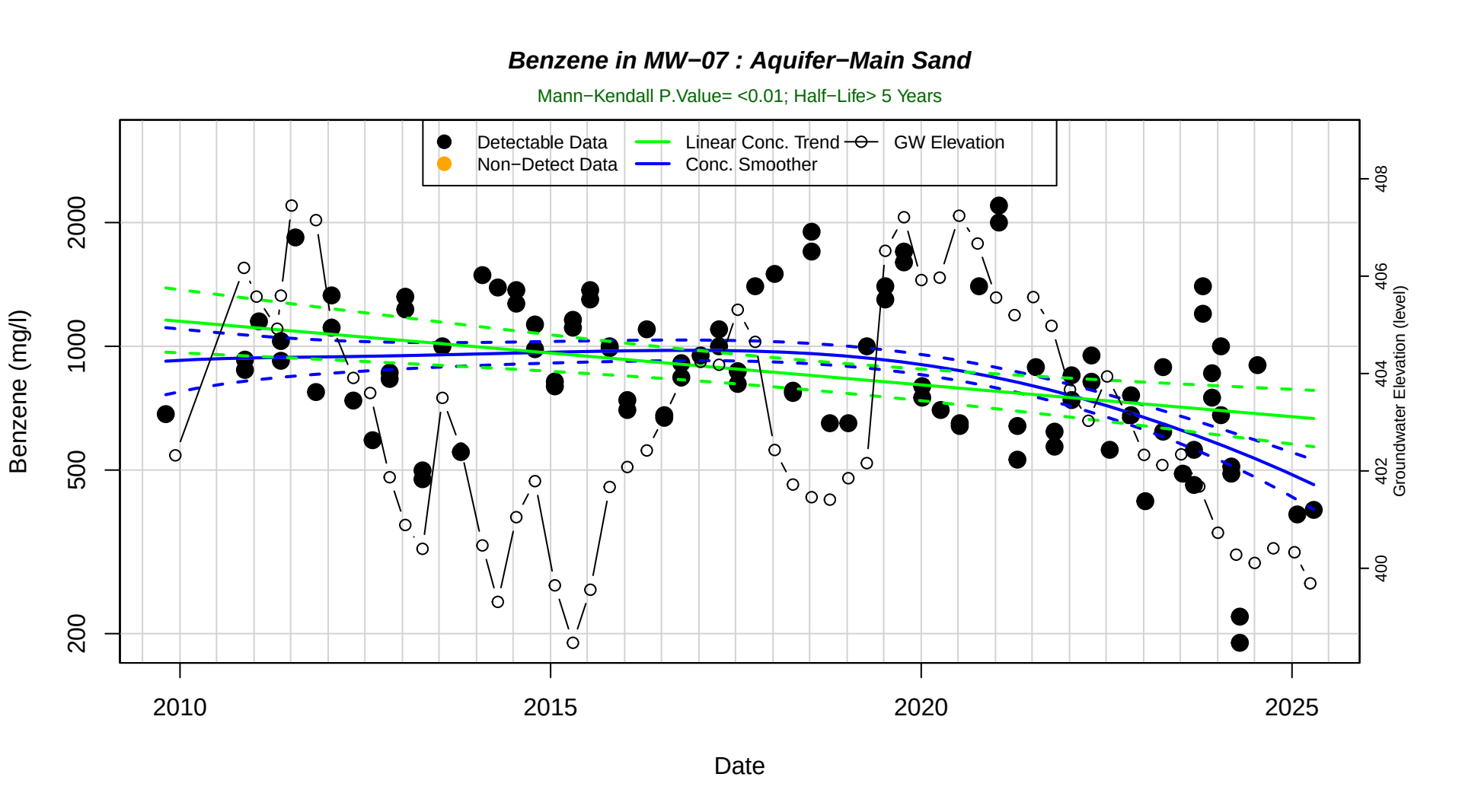

Benzene in MW−22 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 581 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−03
1e−02
1e−01
1e+00
1e+01
Groundwater Elevation (level)
400
402
404
406
408
2015
2020
2025
Date

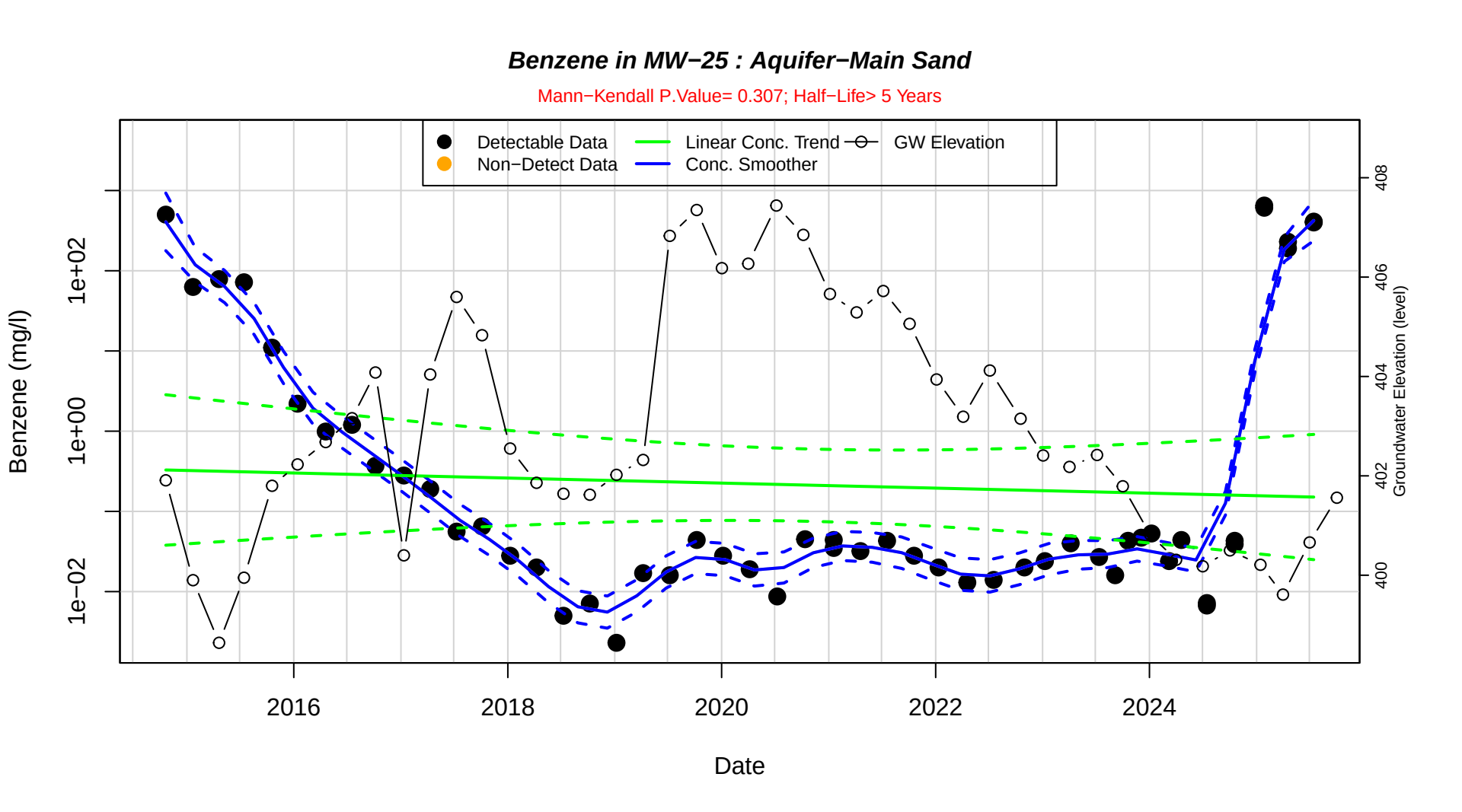

Benzene in ROST−4−PZ(C) : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 1157 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
5e−01
1e−01
2e−02
5e−03
1e−03
2e−04
Groundwater Elevation (level)
408
406
404
402
400
2015
2020
2025
Date

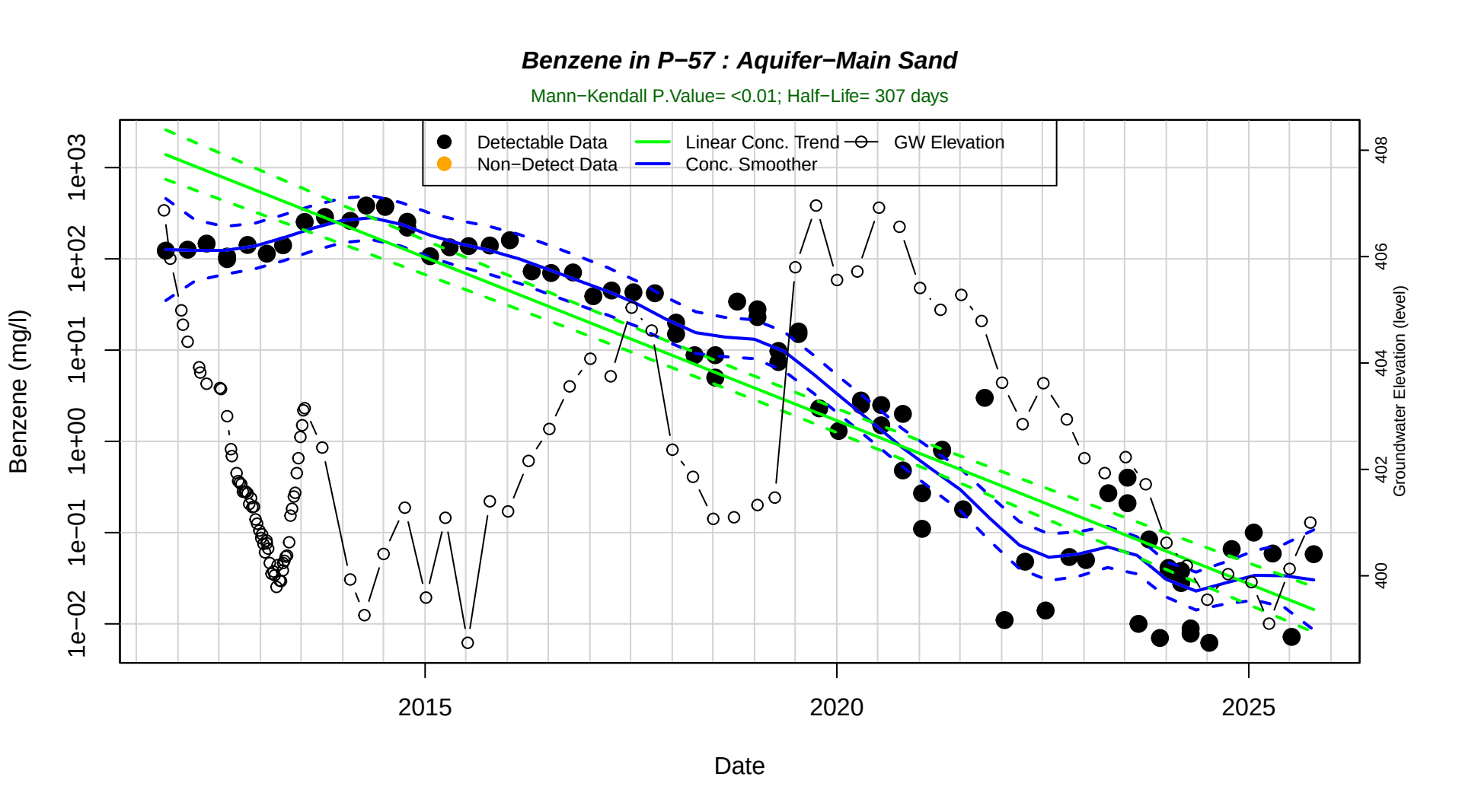

Benzene in P−59 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 1255 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.2
0.5
1.0
2.0
5.0
10.0
Groundwater Elevation (level)
398
400
402
404
406
408
2015
2020
2025
Date


Benzene in T−12 : Aquifer−Main Sand
Mann−Kendall P.Value= 0.0191; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
Groundwater Elevation (level)
Date
1
2
3
4
5
6
398
400
402
404
406
408
2015
2020
2025

Public Works Yard Area


Benzene in MW−07 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
200
500
1000
2000
2010
2015
2020
2025
Date
400
402
404
406
408
Groundwater Elevation (level)


Benzene in MW−25 : Aquifer−Main Sand
Mann−Kendall P.Value= 0.307; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−02
1e+00
1e+02
Groundwater Elevation (level)
400
402
404
406
408
2016
2018
2020
2022
2024
Date


Benzene in P−57 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 307 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−02
1e−01
1e+00
1e+01
1e+02
1e+03
Groundwater Elevation (level)
400
402
404
406
408
2015
2020
2025
Date

Appendix E

Indoor Inhalation Exposure Routes Evaluation

- Part 740 Appendix B Table H Comparison Results
- Select Soil Vapor Sampling Analytical Results – Third and Fourth Quarters 2025
- Soil Vapor Sampling – Chaffer Avenue Cross Sections – Third and Fourth Quarters 2025

SEE LAST PAGE OF TABLE FOR NOTES

APPENDIX E:
PART 742 APPENDIX B TABLE H
SCREENING VALUES COMPARISON

			VOCs				SVOCs	
			Benzene	Chloroform	Ethylbenzene	Naphthalene	2-Methylnaphthalene	Phenol
Screening Values (mg/L)			**0.11**	**0.07**	**0.37**	**0.075**	**25**	**28,000**
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**					
MW-04	MW4-ROX-071525	7/15/2025	**7.5**	< 0.0010	< 0.0010	< 0.0050	< 0.00020	**0.11**
	MW4-ROX-100925	10/9/2025	**620**	**2.2 J J**	< 1	< 2	< 0.00020	**0.33**
	MW4-ROX-100925-DUP	10/9/2025	**620**	**2 J J**	< 1	< 2	< 0.00020	**0.27**
	MW4-ROX-121025	12/10/2025	**280**	< 2.5	< 2.5	< 13	--	--
MW-22	MW22-ROX-071525	7/15/2025	**0.021**	< 0.0050	**0.24**	**0.12**	**0.026**	< 0.0099
	MW22-ROX-101525	10/15/2025	0.0033 J	< 0.0050	0.046	0.056	0.015	< 0.01
MW-25	MW25-ROX-071525	7/15/2025	**410**	< 2	< 2	< 10	0.0081	**0.25**
	MW25-ROX-071525-DUP	7/15/2025	**400**	< 2	< 2	< 10	0.0072	**0.26**
P-56	P56-ROX-071025	7/10/2025	< 0.0020	0.0031	0.0082 F2	0.0094 J	**0.016**	< 0.0099
	P56-ROX-101725	10/17/2025	0.0013 J	< 0.0020	0.13	0.015	0.013	< 0.01
	P56-WRR-101725	10/17/2025	0.0013 J	--	0.13	0.015	0.013	< 0.01
P-57	P57-ROX-071025	7/10/2025	**0.0072**	< 0.0010	0.00051 J	< 0.0050	0.014	0.00078 J*+ J
	P57-ROX-101625	10/16/2025	**0.058**	< 0.0010	0.0026	0.029	**0.033**	0.0013 J
P-58	P58-ROX-071425	7/14/2025	**390**	< 1	0.66 J	< 5	**0.05**	**0.49**
	P58-ROX-071425-DUP	7/14/2025	**350**	< 1	0.63 J	< 5	**0.05**	**0.5**
	P58-ROX-101625	10/16/2025	**290**	< 2.5	< 2.5	< 13	**0.045**	**0.42**
P-59	P59-ROX-071125	7/11/2025	**0.42**	< 0.01	0.21	0.039 J	**0.025**	0.01 *+ J
	P59-ROX-101725	10/17/2025	**0.57**	< 0.01	0.19	0.036 J	0.014	0.0060 JB
	P59-WRR-101725	10/17/2025	**0.57**	--	0.19	0.036 J	0.014	0.0060 J
P-60	P60-WRR-101025	10/10/2025	**0.76**	--	0.073 J	0.0056	**0.12**	0.0084 J
	P60-WRR-101025-DUP	10/10/2025	**0.79**	--	0.1 J	0.0058	**0.12**	0.0060 J
P-93A	P93A-ROX-071125	7/11/2025	**56**	< 0.2	< 0.2	< 1	< 0.00020	**0.32 *+ J**
	P93A-ROX-102025	10/20/2025	**48**	< 0.2	< 0.2	< 1	0.00018 J	**0.24 B**
	P93A-WRR-102025	10/20/2025	**48**	--	< 0.2	< 1	0.00018 J	**0.24 B**
P-93B	P93B-ROX-071425	7/14/2025	**930**	< 5 UJ	< 5 UJ	< 25 UJ	0.00019 J	**0.26**
	P93B-ROX-102025	10/20/2025	**600**	< 5	< 5	< 25	0.00012 J	**0.18 B**
	P93B-WRR-102025	10/20/2025	**600**	--	< 5	< 25	0.00012 J	**0.18 B**
P-93C	P93C-ROX-071025	7/10/2025	**1.7**	< 0.0010	< 0.0010	< 0.0050	< 0.00020	0.029 *+ J
	P93C-ROX-071025-DUP	7/10/2025	**1.9**	< 0.0010	< 0.0010	< 0.0050	< 0.00020	0.031 *+ J
	P93C-ROX-102025	10/20/2025	0.00086 J	< 0.0010	< 0.0010	< 0.0050	< 0.00020	< 0.01 U
	P93C-WRR-102025	10/20/2025	0.00086 J	--	< 0.0010	< 0.0050	< 0.00020	< 0.01
ROST-4-PZ(G)	ROST4PZG-ROX-070925	7/9/2025	**0.0083**	< 0.0010	0.00091 J	0.0053	0.0013	0.00091 J
	ROST4PZG-ROX-101525	10/15/2025	**0.0085**	< 0.0010	0.0012	0.0045 J	0.00097	< 0.0098
T-12	T12-ROX-071125	7/11/2025	**1.2**	< 0.01	0.041	0.036 J	**0.041**	0.044 *+ J
	T12-ROX-101725	10/17/2025	**1.4**	< 0.01	0.023	< 0.05	**0.032**	0.034 B J
	T12-WRR-101725	10/17/2025	**1.4**	--	0.023	< 0.05	**0.032**	0.034 J

NOTES:

Screening critieria source from 35 I.A.C. 742 (TACO), Appendix B, Table H.

	Indicates exceedance of Table H screening criteria.
BOLD	Indicates exceedance of Class I groundwater screening criteria.
--	Empty cell without a value indicates current quarter analyte result was rejected or the analyte was not analyzed.

LABORATORY QUALIFIERS

J = The analyte was detected below the reporting limit. Result is estimated.

B = Target analyte was identified in the method blank, indicating possible lab contamination.

H = Analyzed or extracted out of holding time criteria.

I = Value is estimated maximum possible concentration.

F1 = Indicates MS/MSD is outside acceptance limit.

*+ = Indicates LCS and/or LCSD is outside acceptance limit, high biased

*- = Indicates LCS and/or LCSD is outside acceptance limit, low biased

*1 = LCS/LCSD RPD is outside contol limit.

<#.## Indicates the analyte was not detected above the given reporting limit.

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

SEE LAST PAGE OF TABLE FOR NOTES

APPENDIX E:
SELECT SOIL VAPOR ANALYTICAL DETECTIONS AND SCREENING RESULTS:
VILLAGE - VOCS

				Benzene			Chloroform			Ethylbenzene		
Residential Screening Criteria (mg/m^3)				0.37			0.11			1.3		
Location	Depth (ft bgs)	Sample ID	Sample Date	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals
VMP-3	5	VMP-3-5-072925	7/29/2025	< 0.0032	U		< 0.0048	U		< 0.0043	U	
VMP-3	5	VMP-3-5-072925-DUP	7/29/2025	< 0.0032	U		< 0.0049	U		< 0.0044	U	
VMP-3	5	VMP-3-5-110625	11/6/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-3	10	VMP-3-10-072925	7/29/2025	0.0012	J		0.0018	J		< 0.0048	U	
VMP-3	10	VMP-3-10-110625	11/6/2025	< 0.0035	U		0.0039	J		< 0.0048	U	
VMP-3	22	VMP-3-22-072925	7/29/2025	0.0013	J		0.014			< 0.0045	U	
VMP-3	22	VMP-3-22-110625	11/6/2025	0.0015	J		0.0065			< 0.0047	U	
VMP-3	31.5	VMP-3-31.5-072925	7/29/2025	0.0017	J		0.0020	J		< 0.0048	U	
VMP-3	31.5	VMP-3-31.5-121925	12/19/2025	0.0012	J		0.0019	J		< 0.0044	U	
VMP-3	39	VMP-3-39-072825	7/28/2025	< 7.4	U		< 11	U		< 10	U	
VMP-4	5	VMP-4-5-073025	7/30/2025	< 0.0036	U		< 0.0056	U		< 0.0050	U	
VMP-4	5	VMP-4-5-110425	11/4/2025	< 0.0036	U		< 0.0054	U		< 0.0048	U	
VMP-4	12	VMP-4-12-073025	7/30/2025	< 0.0034	U		0.0022	J		< 0.0047	U	
VMP-4	12	VMP-4-12-110425	11/4/2025	< 0.0032	U		< 0.0049	U		< 0.0044	U	
VMP-4	12	VMP-4-12-110425-DUP	11/4/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-4	23.5	VMP-4-23.5-073025	7/30/2025	< 0.0036	U		< 0.0055	U		< 0.0049	U	
VMP-4	23.5	VMP-4-23.5-110425	11/4/2025	< 0.0033	U		< 0.0050	U		< 0.0045	U	
VMP-5	5	VMP-5-5-072325	7/23/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-5	5	VMP-5-5-103125	10/31/2025	< 0.0036	U		< 0.0054	U		< 0.0048	U	
VMP-5	12.5	VMP-5-12.5-072325	7/23/2025	< 0.0032	U		< 0.0048	U		< 0.0043	U	
VMP-5	12.5	VMP-5-12.5-103125	10/31/2025	< 0.0031	U		< 0.0048	U		< 0.0042	U	
VMP-5	31	VMP-5-31-072325	7/23/2025	< 0.0032	U		0.0033	J		< 0.0043	U	
VMP-5	31	VMP-5-31-103125	10/31/2025	< 0.0035	U		0.0033	J		< 0.0048	U	
VMP-5	40	VMP-5-40-072325	7/23/2025	0.0013	J		0.0043	J		< 0.0049	U	
VMP-5	40	VMP-5-40-103125	10/31/2025	< 0.0035	U		0.0038	J		< 0.0047	U	
VMP-5	40	VMP-5-40-103125-DUP	10/31/2025	< 0.0037	U		0.0038	J		< 0.0050	U	
VMP-8	5	VMP-8-5-072125	7/21/2025	< 0.0033	U		0.0010	J		< 0.0044	U	
VMP-8	5	VMP-8-5-102725	10/27/2025	< 0.0033	U		0.0082			< 0.0045	U	
VMP-8	9.5	VMP-8-9.5-072125	7/21/2025	< 0.0033	U		0.0011	J		< 0.0045	U	
VMP-8	9.5	VMP-8-9.5-102725	10/27/2025	< 0.0027	U	UJ	< 0.0042	U	UJ	< 0.0037	U	UJ
VMP-8	23.5	VMP-8-23.5-072125	7/21/2025	< 0.0034	U		0.0012	J		< 0.0046	U	
VMP-8	23.5	VMP-8-23.5-102725	10/27/2025	< 0.0033	U		< 0.0050	U		< 0.0045	U	
VMP-8	35.5	VMP-8-35.5-102725	10/27/2025	< 0.0033	U		0.0029	J		< 0.0045	U	

SEE LAST PAGE OF TABLE FOR NOTES

APPENDIX E:
SELECT SOIL VAPOR ANALYTICAL DETECTIONS AND SCREENING RESULTS:
VILLAGE - VOCS

				Benzene			Chloroform			Ethylbenzene		
Residential Screening Criteria (mg/m^3)				0.37			0.11			1.3		
Location	Depth (ft bgs)	Sample ID	Sample Date	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals
VMP-9	5	VMP-9-5-071825	7/18/2025	< 0.0036	U		0.0012	J		< 0.0049	U	
VMP-9	5	VMP-9-5-103025	10/30/2025	< 0.0031	U		< 0.0048	U		< 0.0043	U	
VMP-9	11.5	VMP-9-11.5-071825	7/18/2025	< 0.0035	U		0.0042	J		< 0.0048	U	
VMP-9	11.5	VMP-9-11.5-103025	10/30/2025	< 0.0032	U		0.0040	J		< 0.0044	U	
VMP-9	25.5	VMP-9-25.5-071825	7/18/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-9	25.5	VMP-9-25.5-071825-DUP	7/18/2025	0.00056	J		< 0.0050	U		< 0.0044	U	
VMP-9	25.5	VMP-9-25.5-103025	10/30/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-9	38.5	VMP-9-38.5-071825	7/18/2025	< 0.0033	U		0.0019	J		< 0.0045	U	
VMP-9	38.5	VMP-9-38.5-103025	10/30/2025	< 0.0033	U		< 0.0050	U		< 0.0045	U	
VMP-18	8.5	VMP-18-8.5-072125	7/21/2025	0.00071	J		0.0027	J		< 0.0048	U	
VMP-18	8.5	VMP-18-8.5-072125-DUP	7/21/2025	< 0.0035	U		0.0020	J		< 0.0048	U	
VMP-18	8.5	VMP-18-8.5-102825	10/28/2025	< 0.0033	U		< 0.0050	U		< 0.0045	U	
VMP-19	5	VMP-19-5-071825	7/18/2025	< 0.0033	U		< 0.0051	U		< 0.0045	U	
VMP-19	5	VMP-19-5-071825-DUP	7/18/2025	< 0.0034	U		< 0.0051	U		< 0.0046	U	
VMP-19	5	VMP-19-5-103125	10/31/2025	0.0014	J		< 0.0048	U		< 0.0043	U	
VMP-32	5	VMP-32-5-073025	7/30/2025	< 0.0035	U		< 0.0053	U		< 0.0048	U	
VMP-32	5	VMP-32-5-110725	11/7/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-32	5	VMP-32-5-110725-DUP	11/7/2025	< 0.0032	U		< 0.0048	U		< 0.0043	U	
VMP-32	10	VMP-32-10-073025	7/30/2025	< 0.0036	U		< 0.0056	U		< 0.0050	U	
VMP-32	10	VMP-32-10-110725	11/7/2025	0.0028	J		< 0.0056	U		< 0.0050	U	
VMP-32	20	VMP-32-20-110725	11/7/2025	< 0.0036	U		< 0.0055	U		< 0.0049	U	
VMP-32	30	VMP-32-30-073125	7/31/2025	0.00072	J		< 0.0051	U		< 0.0046	U	
VMP-32	30	VMP-32-30-110725	11/7/2025	0.022			< 0.0052	U		< 0.0046	U	
VMP-42	10	VMP-42-10-072425	7/24/2025	0.00080	J		0.019			< 0.0049	U	
VMP-42	10	VMP-42-10-110525	11/5/2025	< 0.0031	U		< 0.0048	U		< 0.0042	U	
VMP-42	10	VMP-42-10-110525-DUP	11/5/2025	< 0.0031	U		< 0.0048	U		< 0.0043	U	
VMP-42	20	VMP-42-20-072425	7/24/2025	< 0.0035	U		0.018			< 0.0048	U	
VMP-42	20	VMP-42-20-110525	11/5/2025	0.0014	J		< 0.0051	U		< 0.0045	U	
VMP-42	30	VMP-42-30-072425	7/24/2025	< 0.0034	U		0.063			< 0.0047	U	
VMP-42	30	VMP-42-30-110525	11/5/2025	< 0.0035	U		< 0.0054	U		< 0.0048	U	

SEE LAST PAGE OF TABLE FOR NOTES

APPENDIX E:
SELECT SOIL VAPOR ANALYTICAL DETECTIONS AND SCREENING RESULTS:
VILLAGE - VOCS

				Benzene			Chloroform			Ethylbenzene		
Residential Screening Criteria (mg/m^3)				0.37			0.11			1.3		
Location	Depth (ft bgs)	Sample ID	Sample Date	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals
VMP-43	10	VMP-43-10-072525	7/25/2025	< 0.0036	U		< 0.0054	U		< 0.0048	U	
VMP-43	10	VMP-43-10-102825	10/28/2025	< 0.0032	U		< 0.0049	U		< 0.0043	U	
VMP-43	10	VMP-43-10-102825-DUP	10/28/2025	< 0.0031	U		< 0.0048	U		< 0.0042	U	
VMP-43	20	VMP-43-20-072925	7/29/2025	< 0.0034	U		0.0017	J		< 0.0046	U	
VMP-43	20	VMP-43-20-102825	10/28/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-43	30	VMP-43-30-072925	7/29/2025	< 0.0034	U		< 0.0052	U		< 0.0047	U	
VMP-43	30	VMP-43-30-102825	10/28/2025	0.0018	J		< 0.0049	U		< 0.0044	U	

Notes:
Screening criteria are from 35 I.A.C 742 (TACO) Appendix B, Table H - Tier 1 Soil Gas and Groundwater Remediation Objectives for the Indoor Inhalation Exposure Route (Re
Bold results are detections above the reporting limit (RL), or estimated detections between the method detection limit (MDL) and RL.
< #.## Gray text indicates the analyte was not detected above the given reporting limit.
Analytes shown were detected in at least one location on Table 5 or Table 6 during the current reporting period.
Yellow highlighted cells indicate detections that exceed residential screening criteria.

Chloroform is a common disinfectant byprouct in municipal water, and can be present in higher concentrations in chlorinated pool water. Some VMPs are located near private residential pools in the Village. Detected chloroform in some VMPs may originate from pool water, residential activities like watering lawns, or from leaking municipal water line

Lab Qualifiers
J = Estimated value; results between the MDL and RL
U = Compound analyzed for but not detected above the RL

AECOM Qualifiers
J = Estimated detection
UJ = Estimated non-detect
U = Non-detect due to blank contamination

SEE LAST PAGE OF TABLE FOR NOTES

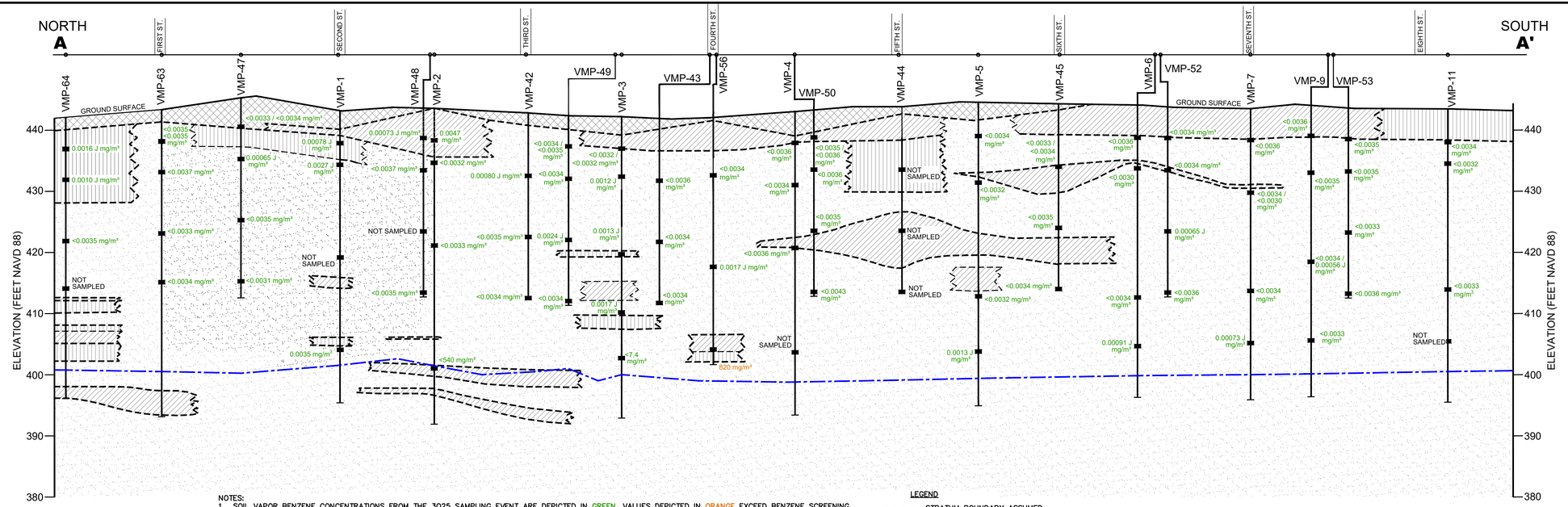
APPENDIX E:
SELECT SOIL VAPOR ANALYTICAL DETECTIONS AND SCREENING RESULTS:
PUBLIC WORKS YARD AND WRR - VOCS

				Benzene			Chloroform			Ethylbenzene		
Industrial/Commercial Screening Criteria (mg/m^3)				2.8			0.92			9.3		
Location	Depth (ft bgs)	Sample ID	Sample Date	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals	Result (mg/m^3)	Lab Quals	AECOM Quals
VMP-10	5	VMP-10-5-072225	7/22/2025	< 0.0032	U		< 0.0050	U		< 0.0044	U	
VMP-10	5	VMP-10-5-103025	10/30/2025	< 0.0034	U		< 0.0053	U		< 0.0047	U	
VMP-10	10	VMP-10-10-072225	7/22/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-10	10	VMP-10-10-072225-DUP	7/22/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-10	10	VMP-10-10-103025	10/30/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-10	20	VMP-10-20-072225	7/22/2025	< 0.0035	U		0.0043	J		< 0.0047	U	
VMP-10	20	VMP-10-20-103025	10/30/2025	< 0.0034	U		< 0.0051	U		< 0.0046	U	
VMP-10	30	VMP-10-30-072225	7/22/2025	0.024			0.012			< 0.0047	U	
VMP-10	30	VMP-10-30-103025	10/30/2025	0.0075			< 0.0085	U		< 0.0076	U	
VMP-12	5	VMP-12-5-072825	7/28/2025	< 0.0035	U		< 0.0053	U		< 0.0047	U	
VMP-12	5	VMP-12-5-110525	11/5/2025	< 0.0036	U		< 0.0056	U		< 0.0050	U	
VMP-12	11.5	VMP-12-11.5-072825	7/28/2025	< 0.0034	U		< 0.0052	U		< 0.0046	U	
VMP-12	11.5	VMP-12-11.5-110525	11/5/2025	< 0.0036	U		< 0.0055	U		< 0.0049	U	
VMP-12	25	VMP-12-25-072825	7/28/2025	0.0024	J		0.013			< 0.0047	U	
VMP-12	25	VMP-12-25-110525	11/5/2025	< 0.0036	U		0.0067			< 0.0049	U	
VMP-12	39	VMP-12-39-072825	7/28/2025	0.023			0.12			< 0.0050	U	
VMP-12	39	VMP-12-39-110525	11/5/2025	0.24	J		< 0.85	U		< 0.76	U	

Notes:
Screening criteria are from 35 I.A.C 742 (TACO) Appendix B, Table H - Tier 1 Soil Gas and Groundwater Remediation Objectives for the Indoor Inhalation Exposure Route (I
Bold results are detections above the reporting limit (RL), or estimated detections between the method detection limit (MDL) and RL.
Analytes shown were detected in at least one location on Table 5 or Table 6 during the current reporting period.
< #.## Gray text indicates the analyte was not detected above the given reporting limit.
Yellow highlighted cells indicate detections that exceed industrial/commercial screening criteria.

Lab Qualifiers
J = Estimated value; results between the MDL and RL
U = Compound analyzed for but not detected above the RL

AECOM Qualifiers
J = Estimated detection
UJ = Estimated non-detect
U = Non-detect due to blank contamination



NOTES:

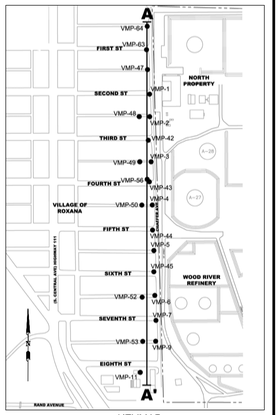
1. SOIL VAPOR BENZENE CONCENTRATIONS FROM THE 3Q25 SAMPLING EVENT ARE DEPICTED IN GREEN. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.37 mg/m³ FOR VMP 1–9, 32, AND 42–45, 47–50, 52, 53, 56, 63, AND 64 [RESIDENTIAL] AND 2.8 mg/m³ FOR VMP–11 [COMMERCIAL/INDUSTRIAL]).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS–SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JULY 1–3, 2025.
3. THIS GEOLOGIC CROSS–SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
4. CROSS–SECTION TRACE LINE SHOWS DISTANCE AND DIRECTION EACH POINT WAS PROJECTED TO CONSTRUCT THIS CROSS–SECTION.
5. VMPs OFFSET FROM CROSS–SECTIONAL LINE (VMP–43, VMP–48, VMP–49, VMP–50, VMP–52, AND VMP–53) ARE INCLUDED TO DISPLAY BENZENE CONCENTRATION DATA ONLY.

LEGEND

- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- POTENTIOMETRIC SURFACE – ESTIMATED

0 10 VERTICAL SCALE FEET

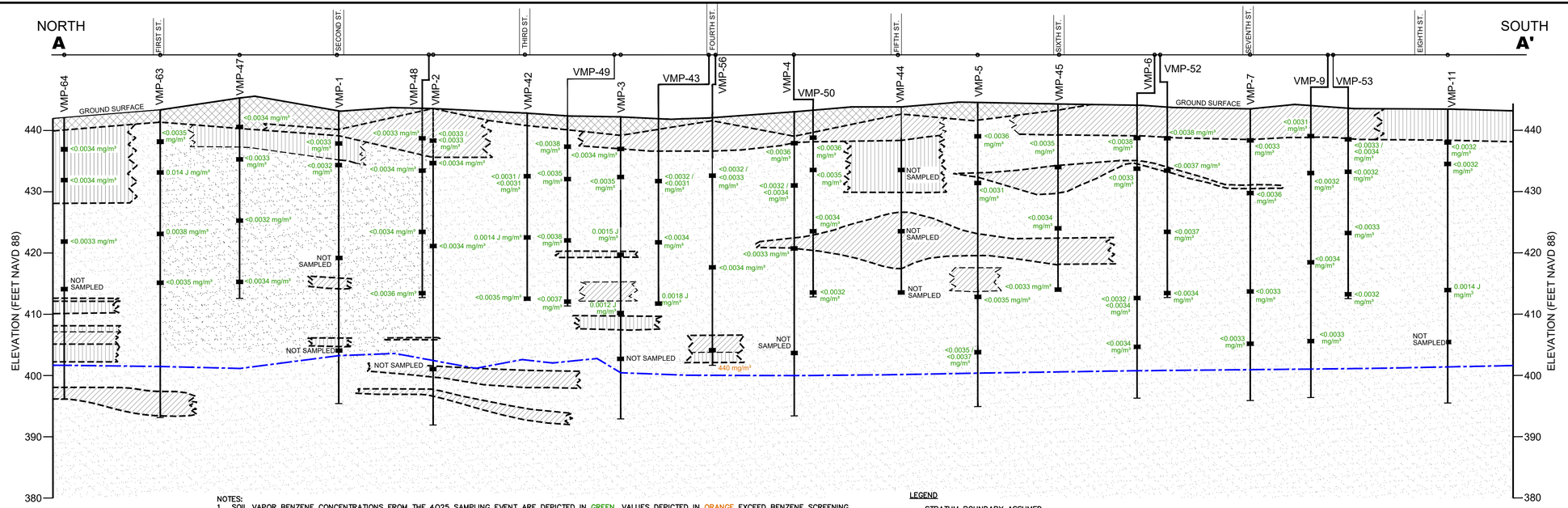
0 100 APPROXIMATE HORIZONTAL SCALE FEET

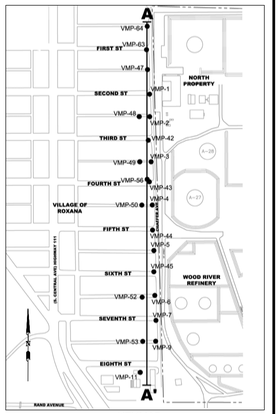


KEYMAP
NOT TO SCALE

APPENDIX E

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US SOIL VAPOR MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60738191
AECOM	
DRN. BY:gds October 2025 DSGN. BY:gds CHKD. BY:mr/bh	3Q25 Cross–Section with Benzene Soil Vapor Analytical Results – Chaffer Avenue FIG. NO. 6





KEYMAP
NOT TO SCALE

NOTES:
1. SOIL VAPOR BENZENE CONCENTRATIONS FROM THE 4Q25 SAMPLING EVENT ARE DEPICTED IN GREEN. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.37 mg/m³ FOR VMP 1–9, 32, AND 42–45, 47–50, 52, 53, 56, 63, AND 64 [RESIDENTIAL] AND 2.8 mg/m³ FOR VMP–11 [COMMERCIAL/INDUSTRIAL]).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS–SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED OCTOBER 1–3, 2025.
3. THIS GEOLOGIC CROSS–SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
4. CROSS–SECTION TRACE LINE SHOWS DISTANCE AND DIRECTION EACH POINT WAS PROJECTED TO CONSTRUCT THIS CROSS–SECTION.
5. VMPs OFFSET FROM CROSS–SECTIONAL LINE (VMP–43, VMP–48, VMP–49, VMP–50, VMP–52, AND VMP–53) ARE INCLUDED TO DISPLAY BENZENE CONCENTRATION DATA ONLY.

LEGEND
- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- POTENTIOMETRIC SURFACE – ESTIMATED

0 10 VERTICAL SCALE FEET
0 100 APPROXIMATE HORIZONTAL SCALE FEET

APPENDIX E

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US SOIL VAPOR MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60771235
AECOM		
DRN. BY:gds January 2026 DSGN. BY:gds CHKD. BY:mr/bh	4Q25 Cross–Section with Benzene Soil Vapor Analytical Results – Chaffer Avenue	FIG. NO. 6

Appendix F

Analytical Results and Data Review/Validation

Appendix F – 1 Water Production Well Data – Third Quarter 2025

Appendix F – 2 Water Production Well Data – Fourth Quarter 2025

Laboratory Report Reviewed: 400-281568-1

Site Name: Wood River Refinery

Prepared By and Date: Pruthvi Kumar C 02/03/2026

Event Reviewed: 3Q2025 WRR Water Well

Reviewed By and Date: Delaine Austin 02/09/2026

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The laboratory indicated it received two sets of containers (3 in each set) with the sample identification W-68-082725. The laboratory logged all the containers as one set with the sample identification W-68-082725. The dual identification on the COC was not logged in and sample #11 was marked as not receiving containers.					
Holding Times	Analyses were performed within holding time.	X			
Three of 73 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
W-91-082725 MS/MSD	VOCs	Bromobenzene	**159/154**	3	59-136/30
W-91-082725 MS/MSD	VOCs	2-Hexanone	**51/52**	3	65-140/30

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
W-91-082725	VOCs	2-Hexanone	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS ID	Parameter	Analyte	LCS Recovery (%)	LCS Criteria
LCS 400-721885/1002	VOCs	Bromomethane	**209**	10-150
LCS 400-722025/1002	VOCs	Acetone	**167**	43-150
	VOCs	Bromomethane	**167**	10-150
	VOCs	n-Butylbenzene	**131**	67-130
LCS 400-722203/1002	VOCs	Bromomethane	**196**	10-150
	VOCs	Chloroethane	**154**	55-141
	VOCs	Trichlorofluoromethane	**144**	65/138
	VOCs	Vinyl acetate	**153**	26-150
	VOCs	Vinyl chloride	**140**	59-136

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The continuous calibration verification (CCV) for pyridine was outside evaluation criteria, biased low. Trip blanks are quality control samples and do not require qualification.

Sample ID	Parameter	Analyte	Qualification
W-81-082715	VOCs	Vinyl chloride	**UJ**
W-68-082725	VOCs	Vinyl chloride	**UJ**
W-90-082725	VOCs	Vinyl chloride	**UJ**
W-90-082725-DUP	VOCs	Vinyl chloride	**UJ**
W-91-082725	VOCs	Chloromethane	**UJ**
W-91-082725	VOCs	Vinyl chloride	**UJ**
W-39-082725	VOCs	Chloromethane	**UJ**
W-39-082725	VOCs	Vinyl chloride	**UJ**
W-39-082725-DUP	VOCs	Chloromethane	**UJ**
W-39-082725-DUP	VOCs	Vinyl chloride	**UJ**
W-87-082725	VOCs	Chloromethane	**UJ**
W-87-082725	VOCs	Vinyl chloride	**UJ**
W-86-082725	VOCs	Chloromethane	**UJ**
W-86-082725	VOCs	Vinyl chloride	**UJ**
W-72-082725	VOCs	Chloromethane	**UJ**
W-72-082725	VOCs	Vinyl chloride	**UJ**
W-79-082725	VOCs	Chloromethane	**UJ**
W-79-082725	VOCs	Vinyl chloride	**UJ**
W-69-082725	VOCs	Chloromethane	**UJ**
W-69-082725	VOCs	Vinyl chloride	**UJ**
W-77-082725	VOCs	Chloromethane	**UJ**
W-77-082725	VOCs	Vinyl chloride	**UJ**
W-92-082725	VOCs	Chloromethane	**UJ**
W-92-082725	VOCs	Vinyl chloride	**UJ**
W-89-082725	VOCs	Chloromethane	**UJ**

W-89-082725	VOCs	Vinyl chloride	**UJ**
W-80-082725	VOCs	Chloromethane	**UJ**
W-80-082725	VOCs	Vinyl chloride	**UJ**
W-88-082725	VOCs	Chloromethane	**UJ**
W-88-082725	VOCs	Vinyl chloride	**UJ**
W-70-082725	VOCs	1,1-Dichloroethene	**UJ**
W-70-082725	VOCs	1,2-Dibromo-3-Chloropropane	**UJ**

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 9/11/2025 6:39:43 AM

JOB DESCRIPTION

WRR WATER WELLS

JOB NUMBER

400-281568-1

Reviewed By: PKC 02/03/2026

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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9/11/2025 6:39:43 AM

Authorized for release by
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Job Narrative
400-281568-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/28/2025 9:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions
This sample ID is listed twice, same information and no way to tell them apart. Only recieved one set, so sample 11 was marked for not having containers.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-721885 recovered above the upper control limit for Bromomethane and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-721885/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-721885 recovered outside acceptance criteria, low biased, for Vinyl chloride . A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-721885 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-721885 were outside control limits for Bromomethane due to high bias for this analyte on this day of analysis.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-WW-082725 (400-281568-1), W-81-082715 (400-281568-2), W-68-082725 (400-281568-3), W-90-082725 (400-281568-4) and W-90-082725-DUP (400-281568-5). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-722025 recovered above the upper control limit for Acetone, Bromomethane and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-722025/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-722025 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-91-082725 (400-281568-6), W-87-082725 (400-281568-9), W-86-082725 (400-281568-10), W-72-082725 (400-281568-12), W-79-082725 (400-281568-14), W-69-082725 (400-281568-15), W-92-082725 (400-281568-17), W-89-082725 (400-281568-18), W-80-082725 (400-281568-19) and W-88-082725 (400-281568-20). Elevated reporting limits (RLs) are provided.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-722025 were outside

control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-722025 recovered outside control limits for the following analytes: Acetone, Bromomethane and n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: W-91-082725 (400-281568-6), W-39-082725 (400-281568-7), W-39-082725-DUP (400-281568-8), W-87-082725 (400-281568-9), W-86-082725 (400-281568-10), W-72-082725 (400-281568-12), W-79-082725 (400-281568-14), W-69-082725 (400-281568-15), W-77-082725 (400-281568-16), W-92-082725 (400-281568-17), W-89-082725 (400-281568-18), W-80-082725 (400-281568-19) and W-88-082725 (400-281568-20). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-722203 recovered above the upper control limit for Acrolein, Bromomethane, Chloroethane, Trichlorofluoromethane, Vinyl acetate and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-722203/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-722203 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene, 1,2-Dibromo-3-Chloropropane and 1,4-Dioxane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-91-082725 (400-281568-6) and W-70-082725 (400-281568-13). Elevated reporting limits (RLs) are provided.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-722203 recovered outside control limits for the following analytes: Bromomethane, Chloroethane, Trichlorofluoromethane, Vinyl acetate and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: W-70-082725 (400-281568-13). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: W-87-082725 (400-281568-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: TB-WW-082725 — Lab Sample ID: 400-281568-1

No Detections.

Client Sample ID: W-81-082715 — Lab Sample ID: 400-281568-2

No Detections.

Client Sample ID: W-68-082725 — Lab Sample ID: 400-281568-3

No Detections.

Client Sample ID: W-90-082725 — Lab Sample ID: 400-281568-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	4.7		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	0.54	J	1.0	0.53	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.57	J	1.0	0.22	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	13		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	0.89	J	1.0	0.69	ug/L	1		8260D	Total/NA
o-Xylene	4.9	J	5.0	3.0	ug/L	1		8260D	Total/NA
Toluene	42		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	1.6		1.0	0.82	ug/L	1		8260D	Total/NA
Xylenes, Total	18		10	6.0	ug/L	1		8260D	Total/NA

Client Sample ID: W-90-082725-DUP — Lab Sample ID: 400-281568-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	3.5		1.0	0.50	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.56	J	1.0	0.22	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	9.7		5.0	3.0	ug/L	1		8260D	Total/NA
o-Xylene	3.7	J	5.0	3.0	ug/L	1		8260D	Total/NA
Toluene	34		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	1.1		1.0	0.82	ug/L	1		8260D	Total/NA
Xylenes, Total	13		10	6.0	ug/L	1		8260D	Total/NA

Client Sample ID: W-91-082725 — Lab Sample ID: 400-281568-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	910		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	140		20	10	ug/L	20		8260D	Total/NA
Isopropylbenzene	18	J	20	11	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	550		100	60	ug/L	20		8260D	Total/NA
n-Butylbenzene	21		20	15	ug/L	20		8260D	Total/NA
N-Propylbenzene	61		20	14	ug/L	20		8260D	Total/NA
o-Xylene	220		100	60	ug/L	20		8260D	Total/NA
Toluene	2600		20	18	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	200		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	77		20	11	ug/L	20		8260D	Total/NA
Xylenes, Total	770		200	120	ug/L	20		8260D	Total/NA

Client Sample ID: W-39-082725 — Lab Sample ID: 400-281568-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.89	J	1.0	0.53	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-39-082725-DUP — Lab Sample ID: 400-281568-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.93	J	1.0	0.53	ug/L	1		8260D	Total/NA

Client Sample ID: W-87-082725 — Lab Sample ID: 400-281568-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	780		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	2100		20	10	ug/L	20		8260D	Total/NA
Isopropylbenzene	120		20	11	ug/L	20		8260D	Total/NA
Naphthalene	330		100	60	ug/L	20		8260D	Total/NA
N-Propylbenzene	290		20	14	ug/L	20		8260D	Total/NA
p-Isopropyltoluene	15	J	20	14	ug/L	20		8260D	Total/NA
sec-Butylbenzene	18	J	20	14	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	1900		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	490		20	11	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene - DL	6600		250	150	ug/L	50		8260D	Total/NA
n-Butylbenzene - DL	48	J	50	38	ug/L	50		8260D	Total/NA
o-Xylene - DL	2500		250	150	ug/L	50		8260D	Total/NA
Toluene - DL	5900		50	45	ug/L	50		8260D	Total/NA
Xylenes, Total - DL	9100		500	300	ug/L	50		8260D	Total/NA

Client Sample ID: W-86-082725 — Lab Sample ID: 400-281568-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1900		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	150		20	10	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	310		100	60	ug/L	20		8260D	Total/NA
o-Xylene	100		100	60	ug/L	20		8260D	Total/NA
Toluene	1400		20	18	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	44		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	12	J	20	11	ug/L	20		8260D	Total/NA
Xylenes, Total	410		200	120	ug/L	20		8260D	Total/NA

Client Sample ID: W-72-082725 — Lab Sample ID: 400-281568-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	640		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	4.4	J	5.0	2.7	ug/L	5		8260D	Total/NA
Methyl tert-butyl ether	3.4	J	5.0	1.1	ug/L	5		8260D	Total/NA
N-Propylbenzene	4.3	J	5.0	3.5	ug/L	5		8260D	Total/NA

Client Sample ID: W-70-082725 — Lab Sample ID: 400-281568-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	430		5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	250		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	22		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	670		25	15	ug/L	5		8260D	Total/NA
Naphthalene	130		25	15	ug/L	5		8260D	Total/NA
n-Butylbenzene	8.6		5.0	3.8	ug/L	5		8260D	Total/NA
N-Propylbenzene	35		5.0	3.5	ug/L	5		8260D	Total/NA
o-Xylene	220		25	15	ug/L	5		8260D	Total/NA
p-Isopropyltoluene	4.4	J	5.0	3.6	ug/L	5		8260D	Total/NA
sec-Butylbenzene	6.7		5.0	3.5	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-70-082725 (Continued) — Lab Sample ID: 400-281568-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	450		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	220		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	55		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	880		50	30	ug/L	5		8260D	Total/NA

Client Sample ID: W-79-082725 — Lab Sample ID: 400-281568-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	30000		200	100	ug/L	200		8260D	Total/NA

Client Sample ID: W-69-082725 — Lab Sample ID: 400-281568-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	36000		200	100	ug/L	200		8260D	Total/NA
Ethylbenzene	160	J	200	100	ug/L	200		8260D	Total/NA
Toluene	3200		200	180	ug/L	200		8260D	Total/NA

Client Sample ID: W-77-082725 — Lab Sample ID: 400-281568-16

No Detections.

Client Sample ID: W-92-082725 — Lab Sample ID: 400-281568-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1900		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	88		20	10	ug/L	20		8260D	Total/NA
Methyl tert-butyl ether	6.8	J	20	4.4	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	160		100	60	ug/L	20		8260D	Total/NA
Toluene	190		20	18	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	23		20	16	ug/L	20		8260D	Total/NA
Xylenes, Total	210		200	120	ug/L	20		8260D	Total/NA

Client Sample ID: W-89-082725 — Lab Sample ID: 400-281568-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	680		5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	66		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	3.0	J	5.0	2.7	ug/L	5		8260D	Total/NA
Methyl tert-butyl ether	4.1	J	5.0	1.1	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	160		25	15	ug/L	5		8260D	Total/NA
o-Xylene	26		25	15	ug/L	5		8260D	Total/NA
Toluene	49		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	21		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	4.9	J	5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	180		50	30	ug/L	5		8260D	Total/NA

Client Sample ID: W-80-082725 — Lab Sample ID: 400-281568-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9800		100	50	ug/L	100		8260D	Total/NA

Client Sample ID: W-88-082725 — Lab Sample ID: 400-281568-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7500		100	50	ug/L	100		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-88-082725 (Continued)

Lab Sample ID: 400-281568-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2300		100	50	ug/L	100		8260D	Total/NA
Isopropylbenzene	120		100	53	ug/L	100		8260D	Total/NA
m-Xylene & p-Xylene	6600		500	300	ug/L	100		8260D	Total/NA
Naphthalene	360	J	500	300	ug/L	100		8260D	Total/NA
N-Propylbenzene	230		100	69	ug/L	100		8260D	Total/NA
o-Xylene	2700		500	300	ug/L	100		8260D	Total/NA
Toluene	9600		100	90	ug/L	100		8260D	Total/NA
1,2,4-Trimethylbenzene	1400		100	82	ug/L	100		8260D	Total/NA
1,3,5-Trimethylbenzene	360		100	56	ug/L	100		8260D	Total/NA
Xylenes, Total	9400		1000	600	ug/L	100		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-281568-1	TB-WW-082725	Water	08/27/25 00:00	08/28/25 09:07	Illinois
400-281568-2	W-81-082715	Water	08/27/25 10:00	08/28/25 09:07	Illinois
400-281568-3	W-68-082725	Water	08/27/25 10:12	08/28/25 09:07	Illinois
400-281568-4	W-90-082725	Water	08/27/25 10:25	08/28/25 09:07	Illinois
400-281568-5	W-90-082725-DUP	Water	08/27/25 10:25	08/28/25 09:07	Illinois
400-281568-6	W-91-082725	Water	08/27/25 10:43	08/28/25 09:07	Illinois
400-281568-7	W-39-082725	Water	08/27/25 11:15	08/28/25 09:07	Illinois
400-281568-8	W-39-082725-DUP	Water	08/27/25 11:15	08/28/25 09:07	Illinois
400-281568-9	W-87-082725	Water	08/27/25 11:40	08/28/25 09:07	Illinois
400-281568-10	W-86-082725	Water	08/27/25 12:00	08/28/25 09:07	Illinois
400-281568-12	W-72-082725	Water	08/27/25 12:55	08/28/25 09:07	Illinois
400-281568-13	W-70-082725	Water	08/27/25 12:15	08/28/25 09:07	Illinois
400-281568-14	W-79-082725	Water	08/27/25 13:30	08/28/25 09:07	Illinois
400-281568-15	W-69-082725	Water	08/27/25 12:40	08/28/25 09:07	Illinois
400-281568-16	W-77-082725	Water	08/27/25 13:50	08/28/25 09:07	Illinois
400-281568-17	W-92-082725	Water	08/27/25 14:10	08/28/25 09:07	Illinois
400-281568-18	W-89-082725	Water	08/27/25 13:05	08/28/25 09:07	Illinois
400-281568-19	W-80-082725	Water	08/27/25 13:20	08/28/25 09:07	Illinois
400-281568-20	W-88-082725	Water	08/27/25 12:25	08/28/25 09:07	Illinois

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: TB-WW-082725
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 14:56	1
Acrolein	ND		20	3.3	ug/L			09/04/25 14:56	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 14:56	1
Benzene	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 14:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 14:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 14:56	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/04/25 14:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 14:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 14:56	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 14:56	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 14:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 14:56	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 14:56	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 14:56	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 14:56	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 14:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 14:56	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 14:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 14:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 14:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 14:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 14:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 14:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 14:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 14:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 14:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 14:56	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 14:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 14:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 14:56	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 14:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/04/25 14:56	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 14:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 14:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 14:56	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/04/25 14:56	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/04/25 14:56	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 14:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 14:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/25 14:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 14:56	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: TB-WW-082725
Date Collected: 08/27/25 00:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/04/25 14:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 14:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 14:56	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 14:56	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 14:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 14:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 14:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 14:56	1
Toluene	ND		1.0	0.90	ug/L			09/04/25 14:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 14:56	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 14:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 14:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 14:56	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 14:56	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 14:56	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 14:56	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 14:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 14:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/04/25 14:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 14:56	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 14:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			09/04/25 14:56	1
Xylenes, Total	ND		10	6.0	ug/L			09/04/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*09/04/25 14:56*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*09/04/25 14:56*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/04/25 14:56*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-81-082715
Date Collected: 08/27/25 10:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 19:27	1
Acrolein	ND		20	3.3	ug/L			09/04/25 19:27	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 19:27	1
Benzene	ND		1.0	0.50	ug/L			09/04/25 19:27	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 19:27	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 19:27	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 19:27	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/04/25 19:27	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 19:27	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 19:27	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 19:27	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 19:27	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 19:27	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 19:27	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 19:27	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 19:27	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 19:27	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 19:27	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 19:27	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 19:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 19:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 19:27	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 19:27	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 19:27	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 19:27	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 19:27	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 19:27	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 19:27	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 19:27	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 19:27	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/04/25 19:27	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 19:27	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 19:27	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 19:27	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/04/25 19:27	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 19:27	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 19:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 19:27	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/04/25 19:27	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/04/25 19:27	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 19:27	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 19:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/25 19:27	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 19:27	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-81-082715
Date Collected: 08/27/25 10:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/04/25 19:27	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 19:27	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 19:27	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 19:27	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 19:27	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 19:27	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 19:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 19:27	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 19:27	1
Toluene	ND		1.0	0.90	ug/L			09/04/25 19:27	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 19:27	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 19:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 19:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 19:27	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 19:27	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 19:27	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 19:27	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 19:27	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 19:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/04/25 19:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 19:27	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 19:27	1
Vinyl chloride	ND	UJ	1.0	0.50	ug/L			09/04/25 19:27	1
Xylenes, Total	ND		10	6.0	ug/L			09/04/25 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*09/04/25 19:27*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*09/04/25 19:27*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/04/25 19:27*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-68-082725
Date Collected: 08/27/25 10:12
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 19:54	1
Acrolein	ND		20	3.3	ug/L			09/04/25 19:54	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 19:54	1
Benzene	ND		1.0	0.50	ug/L			09/04/25 19:54	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 19:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 19:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 19:54	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/04/25 19:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 19:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 19:54	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 19:54	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 19:54	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 19:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 19:54	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 19:54	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 19:54	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 19:54	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 19:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 19:54	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 19:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 19:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 19:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 19:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 19:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 19:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 19:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 19:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 19:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 19:54	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 19:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/04/25 19:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 19:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 19:54	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 19:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/04/25 19:54	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 19:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 19:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 19:54	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/04/25 19:54	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/04/25 19:54	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 19:54	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 19:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/25 19:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 19:54	1

Client Sample ID: W-68-082725
Date Collected: 08/27/25 10:12
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/04/25 19:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 19:54	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 19:54	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 19:54	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 19:54	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 19:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 19:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 19:54	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 19:54	1
Toluene	ND		1.0	0.90	ug/L			09/04/25 19:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 19:54	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 19:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 19:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 19:54	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 19:54	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 19:54	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 19:54	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 19:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 19:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/04/25 19:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 19:54	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 19:54	1
Vinyl chloride	ND	UJ	1.0	0.50	ug/L			09/04/25 19:54	1
Xylenes, Total	ND		10	6.0	ug/L			09/04/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*09/04/25 19:54*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*09/04/25 19:54*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/04/25 19:54*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-90-082725
Date Collected: 08/27/25 10:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 20:21	1
Acrolein	ND		20	3.3	ug/L			09/04/25 20:21	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 20:21	1
Benzene	**160**		1.0	0.50	ug/L			09/04/25 20:21	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 20:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 20:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 20:21	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/04/25 20:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 20:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 20:21	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 20:21	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 20:21	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 20:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 20:21	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 20:21	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 20:21	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 20:21	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 20:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 20:21	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 20:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 20:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 20:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 20:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 20:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 20:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 20:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 20:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 20:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 20:21	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 20:21	1
Ethylbenzene	**4.7**		1.0	0.50	ug/L			09/04/25 20:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 20:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 20:21	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 20:21	1
Isopropylbenzene	**0.54**	**J**	1.0	0.53	ug/L			09/04/25 20:21	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 20:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 20:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 20:21	1
Methyl tert-butyl ether	**0.57**	**J**	1.0	0.22	ug/L			09/04/25 20:21	1
m-Xylene & p-Xylene	**13**		5.0	3.0	ug/L			09/04/25 20:21	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 20:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 20:21	1
N-Propylbenzene	**0.89**	**J**	1.0	0.69	ug/L			09/04/25 20:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 20:21	1

Client Sample ID: W-90-082725
Date Collected: 08/27/25 10:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**4.9**	**J**	5.0	3.0	ug/L			09/04/25 20:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 20:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 20:21	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 20:21	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 20:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 20:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 20:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 20:21	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 20:21	1
Toluene	**42**		1.0	0.90	ug/L			09/04/25 20:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 20:21	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 20:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 20:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 20:21	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 20:21	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 20:21	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 20:21	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 20:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 20:21	1
1,2,4-Trimethylbenzene	**1.6**		1.0	0.82	ug/L			09/04/25 20:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 20:21	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 20:21	1
Vinyl chloride	ND	**UJ**	1.0	0.50	ug/L			09/04/25 20:21	1
Xylenes, Total	**18**		10	6.0	ug/L			09/04/25 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*09/04/25 20:21*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*09/04/25 20:21*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/04/25 20:21*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-90-082725-DUP
Date Collected: 08/27/25 10:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 20:48	1
Acrolein	ND		20	3.3	ug/L			09/04/25 20:48	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 20:48	1
Benzene	**140**		1.0	0.50	ug/L			09/04/25 20:48	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 20:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 20:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 20:48	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/04/25 20:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 20:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 20:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 20:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 20:48	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 20:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 20:48	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 20:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 20:48	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 20:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 20:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 20:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 20:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 20:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 20:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 20:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 20:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 20:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 20:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 20:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 20:48	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 20:48	1
Ethylbenzene	**3.5**		1.0	0.50	ug/L			09/04/25 20:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 20:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 20:48	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 20:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/04/25 20:48	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 20:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 20:48	1
Methyl tert-butyl ether	**0.56**	**J**	1.0	0.22	ug/L			09/04/25 20:48	1
m-Xylene & p-Xylene	**9.7**		5.0	3.0	ug/L			09/04/25 20:48	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 20:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 20:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/25 20:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 20:48	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-90-082725-DUP
Date Collected: 08/27/25 10:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**3.7**	**J**	5.0	3.0	ug/L			09/04/25 20:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 20:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 20:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 20:48	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 20:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 20:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 20:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 20:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 20:48	1
Toluene	**34**		1.0	0.90	ug/L			09/04/25 20:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 20:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 20:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 20:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 20:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 20:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 20:48	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 20:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 20:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 20:48	1
1,2,4-Trimethylbenzene	**1.1**		1.0	0.82	ug/L			09/04/25 20:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 20:48	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 20:48	1
Vinyl chloride	ND	**UJ**	1.0	0.50	ug/L			09/04/25 20:48	1
Xylenes, Total	**13**		10	6.0	ug/L			09/04/25 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*09/04/25 20:48*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*09/04/25 20:48*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/04/25 20:48*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-91-082725
Date Collected: 08/27/25 10:43
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	500	200	ug/L			09/05/25 13:03	20
Acrolein	ND		400	66	ug/L			09/05/25 13:03	20
Acrylonitrile	ND		200	56	ug/L			09/05/25 13:03	20
Benzene	**910**		20	10	ug/L			09/05/25 13:03	20
Bromobenzene	ND		20	11	ug/L			09/05/25 13:03	20
Bromochloromethane	ND		20	10	ug/L			09/05/25 13:03	20
Bromodichloromethane	ND		20	10	ug/L			09/05/25 13:03	20
Bromoform	ND		100	5.0	ug/L			09/05/25 13:03	20
Bromomethane	ND	F1 *+	20	20	ug/L			09/05/25 13:03	20
2-Butanone (MEK)	ND		500	52	ug/L			09/05/25 13:03	20
Carbon disulfide	ND		20	10	ug/L			09/05/25 13:03	20
Carbon tetrachloride	ND		20	3.8	ug/L			09/05/25 13:03	20
Chlorobenzene	ND		20	8.4	ug/L			09/05/25 13:03	20
Chloroethane	ND		20	15	ug/L			09/05/25 13:03	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			09/05/25 13:03	20
Chloroform	ND		20	18	ug/L			09/05/25 13:03	20
1-Chlorohexane	ND		20	6.4	ug/L			09/05/25 13:03	20
Chloromethane	ND	UJ	20	8.0	ug/L			09/05/25 13:03	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			09/05/25 13:03	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			09/05/25 13:03	20
Dibromochloromethane	ND		20	4.8	ug/L			09/05/25 13:03	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			09/05/25 13:03	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			09/05/25 13:03	20
1,2-Dichlorobenzene	ND		20	10	ug/L			09/05/25 13:03	20
1,3-Dichlorobenzene	ND		20	11	ug/L			09/05/25 13:03	20
1,4-Dichlorobenzene	ND		20	13	ug/L			09/05/25 13:03	20
Dichlorodifluoromethane	ND		20	17	ug/L			09/05/25 13:03	20
1,1-Dichloroethane	ND		20	10	ug/L			09/05/25 13:03	20
1,2-Dichloroethane	ND		20	11	ug/L			09/05/25 13:03	20
1,1-Dichloroethene	ND		20	10	ug/L			09/05/25 13:03	20
1,2-Dichloropropane	ND		20	10	ug/L			09/05/25 13:03	20
1,3-Dichloropropane	ND		20	10	ug/L			09/05/25 13:03	20
2,2-Dichloropropane	ND		20	10	ug/L			09/05/25 13:03	20
1,1-Dichloropropene	ND		20	1.8	ug/L			09/05/25 13:03	20
1,4-Dioxane	ND		8000	510	ug/L			09/05/25 13:03	20
Ethylbenzene	**140**		20	10	ug/L			09/05/25 13:03	20
Ethyl methacrylate	ND		20	12	ug/L			09/05/25 13:03	20
Hexachlorobutadiene	ND		100	18	ug/L			09/05/25 13:03	20
2-Hexanone	ND	F1 UJ	500	85	ug/L			09/05/25 13:03	20
Isopropylbenzene	**18**	**J**	20	11	ug/L			09/05/25 13:03	20
Methylene bromide	ND		100	4.4	ug/L			09/05/25 13:03	20
Methylene Chloride	ND		100	60	ug/L			09/05/25 13:03	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			09/05/25 13:03	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			09/05/25 13:03	20
m-Xylene & p-Xylene	**550**		100	60	ug/L			09/05/25 13:03	20
Naphthalene	ND		100	60	ug/L			09/05/25 13:03	20
n-Butylbenzene	**21**		20	15	ug/L			09/08/25 12:25	20
N-Propylbenzene	**61**		20	14	ug/L			09/05/25 13:03	20
o-Chlorotoluene	ND		20	11	ug/L			09/05/25 13:03	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-91-082725
Date Collected: 08/27/25 10:43
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**220**		100	60	ug/L			09/05/25 13:03	20
p-Chlorotoluene	ND		20	11	ug/L			09/05/25 13:03	20
p-Isopropyltoluene	ND		20	14	ug/L			09/05/25 13:03	20
sec-Butylbenzene	ND		20	14	ug/L			09/05/25 13:03	20
Styrene	ND		20	20	ug/L			09/05/25 13:03	20
tert-Butylbenzene	ND		20	13	ug/L			09/05/25 13:03	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			09/05/25 13:03	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			09/05/25 13:03	20
Tetrachloroethene	ND		20	6.6	ug/L			09/05/25 13:03	20
Toluene	**2600**		20	18	ug/L			09/05/25 13:03	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			09/05/25 13:03	20
trans-1,3-Dichloropropene	ND		100	4.0	ug/L			09/05/25 13:03	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			09/05/25 13:03	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			09/05/25 13:03	20
1,1,1-Trichloroethane	ND		20	3.6	ug/L			09/05/25 13:03	20
1,1,2-Trichloroethane	ND		100	4.2	ug/L			09/05/25 13:03	20
Trichloroethene	ND		20	3.0	ug/L			09/05/25 13:03	20
Trichlorofluoromethane	ND		20	5.0	ug/L			09/05/25 13:03	20
1,2,3-Trichloropropane	ND		100	17	ug/L			09/05/25 13:03	20
1,2,4-Trimethylbenzene	**200**		20	16	ug/L			09/05/25 13:03	20
1,3,5-Trimethylbenzene	**77**		20	11	ug/L			09/05/25 13:03	20
Vinyl acetate	ND		500	19	ug/L			09/05/25 13:03	20
Vinyl chloride	ND	UJ	20	10	ug/L			09/05/25 13:03	20
Xylenes, Total	**770**		200	120	ug/L			09/05/25 13:03	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/05/25 13:03*	*20*
4-Bromofluorobenzene	*104*		*56 - 136*		*09/08/25 12:25*	*20*
Dibromofluoromethane	*102*		*79 - 130*		*09/05/25 13:03*	*20*
Dibromofluoromethane	*110*		*79 - 130*		*09/08/25 12:25*	*20*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/05/25 13:03*	*20*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/08/25 12:25*	*20*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-39-082725
Date Collected: 08/27/25 11:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			09/05/25 16:13	1
Acrolein	ND		20	3.3	ug/L			09/05/25 16:13	1
Acrylonitrile	ND		10	2.8	ug/L			09/05/25 16:13	1
Benzene	ND		1.0	0.50	ug/L			09/05/25 16:13	1
Bromobenzene	ND		1.0	0.54	ug/L			09/05/25 16:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/05/25 16:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
Bromoform	ND		5.0	0.25	ug/L			09/05/25 16:13	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/05/25 16:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/05/25 16:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/05/25 16:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/05/25 16:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/05/25 16:13	1
Chloroethane	ND		1.0	0.76	ug/L			09/05/25 16:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/05/25 16:13	1
Chloroform	ND		1.0	0.90	ug/L			09/05/25 16:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/05/25 16:13	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			09/05/25 16:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/05/25 16:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/05/25 16:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/05/25 16:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/05/25 16:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/05/25 16:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/05/25 16:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/05/25 16:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/05/25 16:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/05/25 16:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/05/25 16:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 16:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/05/25 16:13	1
1,4-Dioxane	ND		400	26	ug/L			09/05/25 16:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/05/25 16:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/05/25 16:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/05/25 16:13	1
2-Hexanone	ND		25	4.3	ug/L			09/05/25 16:13	1
Isopropylbenzene	**0.89**	**J**	1.0	0.53	ug/L			09/05/25 16:13	1
Methylene bromide	ND		5.0	0.22	ug/L			09/05/25 16:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/05/25 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/05/25 16:13	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/05/25 16:13	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/05/25 16:13	1
Naphthalene	ND		5.0	3.0	ug/L			09/05/25 16:13	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			09/05/25 16:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/05/25 16:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/05/25 16:13	1

Client Sample ID: W-39-082725
Date Collected: 08/27/25 11:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/05/25 16:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/05/25 16:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/05/25 16:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/05/25 16:13	1
Styrene	ND		1.0	1.0	ug/L			09/05/25 16:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/05/25 16:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/05/25 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/05/25 16:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/05/25 16:13	1
Toluene	ND		1.0	0.90	ug/L			09/05/25 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 16:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/05/25 16:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/05/25 16:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/05/25 16:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/05/25 16:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/05/25 16:13	1
Trichloroethene	ND		1.0	0.15	ug/L			09/05/25 16:13	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/05/25 16:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/05/25 16:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/05/25 16:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/05/25 16:13	1
Vinyl acetate	ND		25	0.93	ug/L			09/05/25 16:13	1
Vinyl chloride	ND	UJ	1.0	0.50	ug/L			09/05/25 16:13	1
Xylenes, Total	ND		10	6.0	ug/L			09/05/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*09/05/25 16:13*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*09/05/25 16:13*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/05/25 16:13*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-39-082725-DUP
Date Collected: 08/27/25 11:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			09/05/25 16:40	1
Acrolein	ND		20	3.3	ug/L			09/05/25 16:40	1
Acrylonitrile	ND		10	2.8	ug/L			09/05/25 16:40	1
Benzene	ND		1.0	0.50	ug/L			09/05/25 16:40	1
Bromobenzene	ND		1.0	0.54	ug/L			09/05/25 16:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/05/25 16:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
Bromoform	ND		5.0	0.25	ug/L			09/05/25 16:40	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/05/25 16:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/05/25 16:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/05/25 16:40	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/05/25 16:40	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/05/25 16:40	1
Chloroethane	ND		1.0	0.76	ug/L			09/05/25 16:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/05/25 16:40	1
Chloroform	ND		1.0	0.90	ug/L			09/05/25 16:40	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/05/25 16:40	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			09/05/25 16:40	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/05/25 16:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/05/25 16:40	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/05/25 16:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/05/25 16:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/05/25 16:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/05/25 16:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/05/25 16:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/05/25 16:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/05/25 16:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/05/25 16:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 16:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/05/25 16:40	1
1,4-Dioxane	ND		400	26	ug/L			09/05/25 16:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/05/25 16:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/05/25 16:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/05/25 16:40	1
2-Hexanone	ND		25	4.3	ug/L			09/05/25 16:40	1
Isopropylbenzene	**0.93**	**J**	1.0	0.53	ug/L			09/05/25 16:40	1
Methylene bromide	ND		5.0	0.22	ug/L			09/05/25 16:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/05/25 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/05/25 16:40	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/05/25 16:40	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/05/25 16:40	1
Naphthalene	ND		5.0	3.0	ug/L			09/05/25 16:40	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			09/05/25 16:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/05/25 16:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/05/25 16:40	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-39-082725-DUP
Date Collected: 08/27/25 11:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/05/25 16:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/05/25 16:40	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/05/25 16:40	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/05/25 16:40	1
Styrene	ND		1.0	1.0	ug/L			09/05/25 16:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/05/25 16:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/05/25 16:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/05/25 16:40	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/05/25 16:40	1
Toluene	ND		1.0	0.90	ug/L			09/05/25 16:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 16:40	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/05/25 16:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/05/25 16:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/05/25 16:40	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/05/25 16:40	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/05/25 16:40	1
Trichloroethene	ND		1.0	0.15	ug/L			09/05/25 16:40	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/05/25 16:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/05/25 16:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/05/25 16:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/05/25 16:40	1
Vinyl acetate	ND		25	0.93	ug/L			09/05/25 16:40	1
Vinyl chloride	ND	UJ	1.0	0.50	ug/L			09/05/25 16:40	1
Xylenes, Total	ND		10	6.0	ug/L			09/05/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*09/05/25 16:40*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*09/05/25 16:40*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/05/25 16:40*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-87-082725
Date Collected: 08/27/25 11:40
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	500	200	ug/L			09/05/25 13:30	20
Acrolein	ND		400	66	ug/L			09/05/25 13:30	20
Acrylonitrile	ND		200	56	ug/L			09/05/25 13:30	20
Benzene	**780**		20	10	ug/L			09/05/25 13:30	20
Bromobenzene	ND		20	11	ug/L			09/05/25 13:30	20
Bromochloromethane	ND		20	10	ug/L			09/05/25 13:30	20
Bromodichloromethane	ND		20	10	ug/L			09/05/25 13:30	20
Bromoform	ND		100	5.0	ug/L			09/05/25 13:30	20
Bromomethane	ND	*+	20	20	ug/L			09/05/25 13:30	20
2-Butanone (MEK)	ND		500	52	ug/L			09/05/25 13:30	20
Carbon disulfide	ND		20	10	ug/L			09/05/25 13:30	20
Carbon tetrachloride	ND		20	3.8	ug/L			09/05/25 13:30	20
Chlorobenzene	ND		20	8.4	ug/L			09/05/25 13:30	20
Chloroethane	ND		20	15	ug/L			09/05/25 13:30	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			09/05/25 13:30	20
Chloroform	ND		20	18	ug/L			09/05/25 13:30	20
1-Chlorohexane	ND		20	6.4	ug/L			09/05/25 13:30	20
Chloromethane	ND	UJ	20	8.0	ug/L			09/05/25 13:30	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			09/05/25 13:30	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			09/05/25 13:30	20
Dibromochloromethane	ND		20	4.8	ug/L			09/05/25 13:30	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			09/05/25 13:30	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			09/05/25 13:30	20
1,2-Dichlorobenzene	ND		20	10	ug/L			09/05/25 13:30	20
1,3-Dichlorobenzene	ND		20	11	ug/L			09/05/25 13:30	20
1,4-Dichlorobenzene	ND		20	13	ug/L			09/05/25 13:30	20
Dichlorodifluoromethane	ND		20	17	ug/L			09/05/25 13:30	20
1,1-Dichloroethane	ND		20	10	ug/L			09/05/25 13:30	20
1,2-Dichloroethane	ND		20	11	ug/L			09/05/25 13:30	20
1,1-Dichloroethene	ND		20	10	ug/L			09/05/25 13:30	20
1,2-Dichloropropane	ND		20	10	ug/L			09/05/25 13:30	20
1,3-Dichloropropane	ND		20	10	ug/L			09/05/25 13:30	20
2,2-Dichloropropane	ND		20	10	ug/L			09/05/25 13:30	20
1,1-Dichloropropene	ND		20	1.8	ug/L			09/05/25 13:30	20
1,4-Dioxane	ND		8000	510	ug/L			09/05/25 13:30	20
Ethylbenzene	**2100**		20	10	ug/L			09/05/25 13:30	20
Ethyl methacrylate	ND		20	12	ug/L			09/05/25 13:30	20
Hexachlorobutadiene	ND		100	18	ug/L			09/05/25 13:30	20
2-Hexanone	ND		500	85	ug/L			09/05/25 13:30	20
Isopropylbenzene	**120**		20	11	ug/L			09/05/25 13:30	20
Methylene bromide	ND		100	4.4	ug/L			09/05/25 13:30	20
Methylene Chloride	ND		100	60	ug/L			09/05/25 13:30	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			09/05/25 13:30	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			09/05/25 13:30	20
Naphthalene	**330**		100	60	ug/L			09/05/25 13:30	20
N-Propylbenzene	**290**		20	14	ug/L			09/05/25 13:30	20
o-Chlorotoluene	ND		20	11	ug/L			09/05/25 13:30	20
p-Chlorotoluene	ND		20	11	ug/L			09/05/25 13:30	20
p-Isopropyltoluene	**15**	J	20	14	ug/L			09/05/25 13:30	20

Client Sample ID: W-87-082725
Date Collected: 08/27/25 11:40
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**18**	**J**	20	14	ug/L			09/05/25 13:30	20
Styrene	ND		20	20	ug/L			09/05/25 13:30	20
tert-Butylbenzene	ND		20	13	ug/L			09/05/25 13:30	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			09/05/25 13:30	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			09/05/25 13:30	20
Tetrachloroethene	ND		20	6.6	ug/L			09/05/25 13:30	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			09/05/25 13:30	20
trans-1,3-Dichloropropene	ND		100	4.0	ug/L			09/05/25 13:30	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			09/05/25 13:30	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			09/05/25 13:30	20
1,1,1-Trichloroethane	ND		20	3.6	ug/L			09/05/25 13:30	20
1,1,2-Trichloroethane	ND		100	4.2	ug/L			09/05/25 13:30	20
Trichloroethene	ND		20	3.0	ug/L			09/05/25 13:30	20
Trichlorofluoromethane	ND		20	5.0	ug/L			09/05/25 13:30	20
1,2,3-Trichloropropane	ND		100	17	ug/L			09/05/25 13:30	20
1,2,4-Trimethylbenzene	**1900**		20	16	ug/L			09/05/25 13:30	20
1,3,5-Trimethylbenzene	**490**		20	11	ug/L			09/05/25 13:30	20
Vinyl acetate	ND		500	19	ug/L			09/05/25 13:30	20
Vinyl chloride	ND	**UJ**	20	10	ug/L			09/05/25 13:30	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*09/05/25 13:30*	*20*
Dibromofluoromethane	*101*		*79 - 130*		*09/05/25 13:30*	*20*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/05/25 13:30*	*20*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**6600**		250	150	ug/L			09/09/25 12:27	50
n-Butylbenzene	**48**	**J**	50	38	ug/L			09/09/25 12:27	50
o-Xylene	**2500**		250	150	ug/L			09/09/25 12:27	50
Toluene	**5900**		50	45	ug/L			09/09/25 12:27	50
Xylenes, Total	**9100**		500	300	ug/L			09/09/25 12:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*09/09/25 12:27*	*50*
Dibromofluoromethane	*107*		*79 - 130*		*09/09/25 12:27*	*50*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/09/25 12:27*	*50*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-86-082725
Date Collected: 08/27/25 12:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	500	200	ug/L			09/05/25 18:29	20
Acrolein	ND		400	66	ug/L			09/05/25 18:29	20
Acrylonitrile	ND		200	56	ug/L			09/05/25 18:29	20
Benzene	**1900**		20	10	ug/L			09/05/25 18:29	20
Bromobenzene	ND		20	11	ug/L			09/05/25 18:29	20
Bromochloromethane	ND		20	10	ug/L			09/05/25 18:29	20
Bromodichloromethane	ND		20	10	ug/L			09/05/25 18:29	20
Bromoform	ND		100	5.0	ug/L			09/05/25 18:29	20
Bromomethane	ND	*+	20	20	ug/L			09/05/25 18:29	20
2-Butanone (MEK)	ND		500	52	ug/L			09/05/25 18:29	20
Carbon disulfide	ND		20	10	ug/L			09/05/25 18:29	20
Carbon tetrachloride	ND		20	3.8	ug/L			09/05/25 18:29	20
Chlorobenzene	ND		20	8.4	ug/L			09/05/25 18:29	20
Chloroethane	ND		20	15	ug/L			09/05/25 18:29	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			09/05/25 18:29	20
Chloroform	ND		20	18	ug/L			09/05/25 18:29	20
1-Chlorohexane	ND		20	6.4	ug/L			09/05/25 18:29	20
Chloromethane	ND	UJ	20	8.0	ug/L			09/05/25 18:29	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			09/05/25 18:29	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			09/05/25 18:29	20
Dibromochloromethane	ND		20	4.8	ug/L			09/05/25 18:29	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			09/05/25 18:29	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			09/05/25 18:29	20
1,2-Dichlorobenzene	ND		20	10	ug/L			09/05/25 18:29	20
1,3-Dichlorobenzene	ND		20	11	ug/L			09/05/25 18:29	20
1,4-Dichlorobenzene	ND		20	13	ug/L			09/05/25 18:29	20
Dichlorodifluoromethane	ND		20	17	ug/L			09/05/25 18:29	20
1,1-Dichloroethane	ND		20	10	ug/L			09/05/25 18:29	20
1,2-Dichloroethane	ND		20	11	ug/L			09/05/25 18:29	20
1,1-Dichloroethene	ND		20	10	ug/L			09/05/25 18:29	20
1,2-Dichloropropane	ND		20	10	ug/L			09/05/25 18:29	20
1,3-Dichloropropane	ND		20	10	ug/L			09/05/25 18:29	20
2,2-Dichloropropane	ND		20	10	ug/L			09/05/25 18:29	20
1,1-Dichloropropene	ND		20	1.8	ug/L			09/05/25 18:29	20
1,4-Dioxane	ND		8000	510	ug/L			09/05/25 18:29	20
Ethylbenzene	**150**		20	10	ug/L			09/05/25 18:29	20
Ethyl methacrylate	ND		20	12	ug/L			09/05/25 18:29	20
Hexachlorobutadiene	ND		100	18	ug/L			09/05/25 18:29	20
2-Hexanone	ND		500	85	ug/L			09/05/25 18:29	20
Isopropylbenzene	ND		20	11	ug/L			09/05/25 18:29	20
Methylene bromide	ND		100	4.4	ug/L			09/05/25 18:29	20
Methylene Chloride	ND		100	60	ug/L			09/05/25 18:29	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			09/05/25 18:29	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			09/05/25 18:29	20
m-Xylene & p-Xylene	**310**		100	60	ug/L			09/05/25 18:29	20
Naphthalene	ND		100	60	ug/L			09/05/25 18:29	20
n-Butylbenzene	ND	*+	20	15	ug/L			09/05/25 18:29	20
N-Propylbenzene	ND		20	14	ug/L			09/05/25 18:29	20
o-Chlorotoluene	ND		20	11	ug/L			09/05/25 18:29	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-86-082725
Date Collected: 08/27/25 12:00
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**100**		100	60	ug/L			09/05/25 18:29	20
p-Chlorotoluene	ND		20	11	ug/L			09/05/25 18:29	20
p-Isopropyltoluene	ND		20	14	ug/L			09/05/25 18:29	20
sec-Butylbenzene	ND		20	14	ug/L			09/05/25 18:29	20
Styrene	ND		20	20	ug/L			09/05/25 18:29	20
tert-Butylbenzene	ND		20	13	ug/L			09/05/25 18:29	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			09/05/25 18:29	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			09/05/25 18:29	20
Tetrachloroethene	ND		20	6.6	ug/L			09/05/25 18:29	20
Toluene	**1400**		20	18	ug/L			09/05/25 18:29	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			09/05/25 18:29	20
trans-1,3-Dichloropropene	ND		100	4.0	ug/L			09/05/25 18:29	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			09/05/25 18:29	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			09/05/25 18:29	20
1,1,1-Trichloroethane	ND		20	3.6	ug/L			09/05/25 18:29	20
1,1,2-Trichloroethane	ND		100	4.2	ug/L			09/05/25 18:29	20
Trichloroethene	ND		20	3.0	ug/L			09/05/25 18:29	20
Trichlorofluoromethane	ND		20	5.0	ug/L			09/05/25 18:29	20
1,2,3-Trichloropropane	ND		100	17	ug/L			09/05/25 18:29	20
1,2,4-Trimethylbenzene	**44**		20	16	ug/L			09/05/25 18:29	20
1,3,5-Trimethylbenzene	**12**	**J**	20	11	ug/L			09/05/25 18:29	20
Vinyl acetate	ND		500	19	ug/L			09/05/25 18:29	20
Vinyl chloride	ND	**UJ**	20	10	ug/L			09/05/25 18:29	20
Xylenes, Total	**410**		200	120	ug/L			09/05/25 18:29	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/05/25 18:29*	*20*
Dibromofluoromethane	*101*		*79 - 130*		*09/05/25 18:29*	*20*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/05/25 18:29*	*20*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-72-082725
Date Collected: 08/27/25 12:55
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	130	50	ug/L			09/05/25 17:34	5
Acrolein	ND		100	17	ug/L			09/05/25 17:34	5
Acrylonitrile	ND		50	14	ug/L			09/05/25 17:34	5
Benzene	**640**		5.0	2.5	ug/L			09/05/25 17:34	5
Bromobenzene	ND		5.0	2.7	ug/L			09/05/25 17:34	5
Bromochloromethane	ND		5.0	2.6	ug/L			09/05/25 17:34	5
Bromodichloromethane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
Bromoform	ND		25	1.3	ug/L			09/05/25 17:34	5
Bromomethane	ND	*+	5.0	4.9	ug/L			09/05/25 17:34	5
2-Butanone (MEK)	ND		130	13	ug/L			09/05/25 17:34	5
Carbon disulfide	ND		5.0	2.5	ug/L			09/05/25 17:34	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			09/05/25 17:34	5
Chlorobenzene	ND		5.0	2.1	ug/L			09/05/25 17:34	5
Chloroethane	ND		5.0	3.8	ug/L			09/05/25 17:34	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			09/05/25 17:34	5
Chloroform	ND		5.0	4.5	ug/L			09/05/25 17:34	5
1-Chlorohexane	ND		5.0	1.6	ug/L			09/05/25 17:34	5
Chloromethane	ND	UJ	5.0	2.0	ug/L			09/05/25 17:34	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			09/05/25 17:34	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			09/05/25 17:34	5
Dibromochloromethane	ND		5.0	1.2	ug/L			09/05/25 17:34	5
1,2-Dibromo-3-Chloropropane	ND		25	7.5	ug/L			09/05/25 17:34	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			09/05/25 17:34	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			09/05/25 17:34	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			09/05/25 17:34	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			09/05/25 17:34	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			09/05/25 17:34	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			09/05/25 17:34	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			09/05/25 17:34	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			09/05/25 17:34	5
1,4-Dioxane	ND		2000	130	ug/L			09/05/25 17:34	5
Ethylbenzene	ND		5.0	2.5	ug/L			09/05/25 17:34	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			09/05/25 17:34	5
Hexachlorobutadiene	ND		25	4.5	ug/L			09/05/25 17:34	5
2-Hexanone	ND		130	21	ug/L			09/05/25 17:34	5
Isopropylbenzene	**4.4**	**J**	5.0	2.7	ug/L			09/05/25 17:34	5
Methylene bromide	ND		25	1.1	ug/L			09/05/25 17:34	5
Methylene Chloride	ND		25	15	ug/L			09/05/25 17:34	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			09/05/25 17:34	5
Methyl tert-butyl ether	**3.4**	**J**	5.0	1.1	ug/L			09/05/25 17:34	5
m-Xylene & p-Xylene	ND		25	15	ug/L			09/05/25 17:34	5
Naphthalene	ND		25	15	ug/L			09/05/25 17:34	5
n-Butylbenzene	ND	*+	5.0	3.8	ug/L			09/05/25 17:34	5
N-Propylbenzene	**4.3**	**J**	5.0	3.5	ug/L			09/05/25 17:34	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			09/05/25 17:34	5

Client Sample ID: W-72-082725
Date Collected: 08/27/25 12:55
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		25	15	ug/L			09/05/25 17:34	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			09/05/25 17:34	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			09/05/25 17:34	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			09/05/25 17:34	5
Styrene	ND		5.0	5.0	ug/L			09/05/25 17:34	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			09/05/25 17:34	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			09/05/25 17:34	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			09/05/25 17:34	5
Tetrachloroethene	ND		5.0	1.7	ug/L			09/05/25 17:34	5
Toluene	ND		5.0	4.5	ug/L			09/05/25 17:34	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			09/05/25 17:34	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			09/05/25 17:34	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			09/05/25 17:34	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			09/05/25 17:34	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			09/05/25 17:34	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			09/05/25 17:34	5
Trichloroethene	ND		5.0	0.75	ug/L			09/05/25 17:34	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			09/05/25 17:34	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			09/05/25 17:34	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			09/05/25 17:34	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			09/05/25 17:34	5
Vinyl acetate	ND		130	4.7	ug/L			09/05/25 17:34	5
Vinyl chloride	ND	UJ	5.0	2.5	ug/L			09/05/25 17:34	5
Xylenes, Total	ND		50	30	ug/L			09/05/25 17:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*09/05/25 17:34*	*5*
Dibromofluoromethane	*103*		*79 - 130*		*09/05/25 17:34*	*5*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/05/25 17:34*	*5*

Client Sample ID: W-70-082725
Date Collected: 08/27/25 12:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			09/08/25 18:18	5
Acrolein	ND		100	17	ug/L			09/08/25 18:18	5
Acrylonitrile	ND		50	14	ug/L			09/08/25 18:18	5
Benzene	**430**		5.0	2.5	ug/L			09/08/25 18:18	5
Bromobenzene	ND		5.0	2.7	ug/L			09/08/25 18:18	5
Bromochloromethane	ND		5.0	2.6	ug/L			09/08/25 18:18	5
Bromodichloromethane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
Bromoform	ND		25	1.3	ug/L			09/08/25 18:18	5
Bromomethane	ND	*+	5.0	4.9	ug/L			09/08/25 18:18	5
2-Butanone (MEK)	ND		130	13	ug/L			09/08/25 18:18	5
Carbon disulfide	ND		5.0	2.5	ug/L			09/08/25 18:18	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			09/08/25 18:18	5
Chlorobenzene	ND		5.0	2.1	ug/L			09/08/25 18:18	5
Chloroethane	ND	*+	5.0	3.8	ug/L			09/08/25 18:18	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			09/08/25 18:18	5
Chloroform	ND		5.0	4.5	ug/L			09/08/25 18:18	5
1-Chlorohexane	ND		5.0	1.6	ug/L			09/08/25 18:18	5
Chloromethane	ND		5.0	2.0	ug/L			09/08/25 18:18	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			09/08/25 18:18	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			09/08/25 18:18	5
Dibromochloromethane	ND		5.0	1.2	ug/L			09/08/25 18:18	5
1,2-Dibromo-3-Chloropropane	ND	UJ	25	7.5	ug/L			09/08/25 18:18	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			09/08/25 18:18	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			09/08/25 18:18	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			09/08/25 18:18	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			09/08/25 18:18	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			09/08/25 18:18	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			09/08/25 18:18	5
1,1-Dichloroethene	ND	UJ	5.0	2.5	ug/L			09/08/25 18:18	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			09/08/25 18:18	5
1,4-Dioxane	ND		2000	130	ug/L			09/08/25 18:18	5
Ethylbenzene	**250**		5.0	2.5	ug/L			09/08/25 18:18	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			09/08/25 18:18	5
Hexachlorobutadiene	ND		25	4.5	ug/L			09/08/25 18:18	5
2-Hexanone	ND		130	21	ug/L			09/08/25 18:18	5
Isopropylbenzene	**22**		5.0	2.7	ug/L			09/08/25 18:18	5
Methylene bromide	ND		25	1.1	ug/L			09/08/25 18:18	5
Methylene Chloride	ND		25	15	ug/L			09/08/25 18:18	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			09/08/25 18:18	5
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			09/08/25 18:18	5
m-Xylene & p-Xylene	**670**		25	15	ug/L			09/08/25 18:18	5
Naphthalene	**130**		25	15	ug/L			09/08/25 18:18	5
n-Butylbenzene	**8.6**		5.0	3.8	ug/L			09/08/25 18:18	5
N-Propylbenzene	**35**		5.0	3.5	ug/L			09/08/25 18:18	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			09/08/25 18:18	5

Client Sample ID: W-70-082725
Date Collected: 08/27/25 12:15
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**220**		25	15	ug/L			09/08/25 18:18	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			09/08/25 18:18	5
p-Isopropyltoluene	**4.4**	**J**	5.0	3.6	ug/L			09/08/25 18:18	5
sec-Butylbenzene	**6.7**		5.0	3.5	ug/L			09/08/25 18:18	5
Styrene	ND		5.0	5.0	ug/L			09/08/25 18:18	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			09/08/25 18:18	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			09/08/25 18:18	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			09/08/25 18:18	5
Tetrachloroethene	ND		5.0	1.7	ug/L			09/08/25 18:18	5
Toluene	**450**		5.0	4.5	ug/L			09/08/25 18:18	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			09/08/25 18:18	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			09/08/25 18:18	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			09/08/25 18:18	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			09/08/25 18:18	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			09/08/25 18:18	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			09/08/25 18:18	5
Trichloroethene	ND		5.0	0.75	ug/L			09/08/25 18:18	5
Trichlorofluoromethane	ND	*+	5.0	1.3	ug/L			09/08/25 18:18	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			09/08/25 18:18	5
1,2,4-Trimethylbenzene	**220**		5.0	4.1	ug/L			09/08/25 18:18	5
1,3,5-Trimethylbenzene	**55**		5.0	2.8	ug/L			09/08/25 18:18	5
Vinyl acetate	ND	*+	130	4.7	ug/L			09/08/25 18:18	5
Vinyl chloride	ND	*+	5.0	2.5	ug/L			09/08/25 18:18	5
Xylenes, Total	**880**		50	30	ug/L			09/08/25 18:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*09/08/25 18:18*	*5*
Dibromofluoromethane	*111*		*79 - 130*		*09/08/25 18:18*	*5*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/08/25 18:18*	*5*

Client Sample ID: W-79-082725

Date Collected: 08/27/25 13:30
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-14

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	5000	2000	ug/L			09/05/25 20:44	200
Acrolein	ND		4000	660	ug/L			09/05/25 20:44	200
Acrylonitrile	ND		2000	560	ug/L			09/05/25 20:44	200
Benzene	**30000**		200	100	ug/L			09/05/25 20:44	200
Bromobenzene	ND		200	110	ug/L			09/05/25 20:44	200
Bromochloromethane	ND		200	100	ug/L			09/05/25 20:44	200
Bromodichloromethane	ND		200	100	ug/L			09/05/25 20:44	200
Bromoform	ND		1000	50	ug/L			09/05/25 20:44	200
Bromomethane	ND	*+	200	200	ug/L			09/05/25 20:44	200
2-Butanone (MEK)	ND		5000	520	ug/L			09/05/25 20:44	200
Carbon disulfide	ND		200	100	ug/L			09/05/25 20:44	200
Carbon tetrachloride	ND		200	38	ug/L			09/05/25 20:44	200
Chlorobenzene	ND		200	84	ug/L			09/05/25 20:44	200
Chloroethane	ND		200	150	ug/L			09/05/25 20:44	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			09/05/25 20:44	200
Chloroform	ND		200	180	ug/L			09/05/25 20:44	200
1-Chlorohexane	ND		200	64	ug/L			09/05/25 20:44	200
Chloromethane	ND	UJ	200	80	ug/L			09/05/25 20:44	200
cis-1,2-Dichloroethene	ND		200	40	ug/L			09/05/25 20:44	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			09/05/25 20:44	200
Dibromochloromethane	ND		200	48	ug/L			09/05/25 20:44	200
1,2-Dibromo-3-Chloropropane	ND		1000	300	ug/L			09/05/25 20:44	200
1,2-Dibromoethane (EDB)	ND		200	46	ug/L			09/05/25 20:44	200
1,2-Dichlorobenzene	ND		200	100	ug/L			09/05/25 20:44	200
1,3-Dichlorobenzene	ND		200	110	ug/L			09/05/25 20:44	200
1,4-Dichlorobenzene	ND		200	130	ug/L			09/05/25 20:44	200
Dichlorodifluoromethane	ND		200	170	ug/L			09/05/25 20:44	200
1,1-Dichloroethane	ND		200	100	ug/L			09/05/25 20:44	200
1,2-Dichloroethane	ND		200	110	ug/L			09/05/25 20:44	200
1,1-Dichloroethene	ND		200	100	ug/L			09/05/25 20:44	200
1,2-Dichloropropane	ND		200	100	ug/L			09/05/25 20:44	200
1,3-Dichloropropane	ND		200	100	ug/L			09/05/25 20:44	200
2,2-Dichloropropane	ND		200	100	ug/L			09/05/25 20:44	200
1,1-Dichloropropene	ND		200	18	ug/L			09/05/25 20:44	200
1,4-Dioxane	ND		80000	5100	ug/L			09/05/25 20:44	200
Ethylbenzene	ND		200	100	ug/L			09/05/25 20:44	200
Ethyl methacrylate	ND		200	120	ug/L			09/05/25 20:44	200
Hexachlorobutadiene	ND		1000	180	ug/L			09/05/25 20:44	200
2-Hexanone	ND		5000	850	ug/L			09/05/25 20:44	200
Isopropylbenzene	ND		200	110	ug/L			09/05/25 20:44	200
Methylene bromide	ND		1000	44	ug/L			09/05/25 20:44	200
Methylene Chloride	ND		1000	600	ug/L			09/05/25 20:44	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			09/05/25 20:44	200
Methyl tert-butyl ether	ND		200	44	ug/L			09/05/25 20:44	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			09/05/25 20:44	200
Naphthalene	ND		1000	600	ug/L			09/05/25 20:44	200
n-Butylbenzene	ND	*+	200	150	ug/L			09/05/25 20:44	200
N-Propylbenzene	ND		200	140	ug/L			09/05/25 20:44	200
o-Chlorotoluene	ND		200	110	ug/L			09/05/25 20:44	200

Client Sample ID: W-79-082725
Date Collected: 08/27/25 13:30
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1000	600	ug/L			09/05/25 20:44	200
p-Chlorotoluene	ND		200	110	ug/L			09/05/25 20:44	200
p-Isopropyltoluene	ND		200	140	ug/L			09/05/25 20:44	200
sec-Butylbenzene	ND		200	140	ug/L			09/05/25 20:44	200
Styrene	ND		200	200	ug/L			09/05/25 20:44	200
tert-Butylbenzene	ND		200	130	ug/L			09/05/25 20:44	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			09/05/25 20:44	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			09/05/25 20:44	200
Tetrachloroethene	ND		200	66	ug/L			09/05/25 20:44	200
Toluene	ND		200	180	ug/L			09/05/25 20:44	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			09/05/25 20:44	200
trans-1,3-Dichloropropene	ND		1000	40	ug/L			09/05/25 20:44	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			09/05/25 20:44	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			09/05/25 20:44	200
1,1,1-Trichloroethane	ND		200	36	ug/L			09/05/25 20:44	200
1,1,2-Trichloroethane	ND		1000	42	ug/L			09/05/25 20:44	200
Trichloroethene	ND		200	30	ug/L			09/05/25 20:44	200
Trichlorofluoromethane	ND		200	50	ug/L			09/05/25 20:44	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			09/05/25 20:44	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			09/05/25 20:44	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			09/05/25 20:44	200
Vinyl acetate	ND		5000	190	ug/L			09/05/25 20:44	200
Vinyl chloride	ND	UJ	200	100	ug/L			09/05/25 20:44	200
Xylenes, Total	ND		2000	1200	ug/L			09/05/25 20:44	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/05/25 20:44*	*200*
Dibromofluoromethane	*102*		*79 - 130*		*09/05/25 20:44*	*200*
Toluene-d8 (Surr)	*102*		*64 - 132*		*09/05/25 20:44*	*200*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-69-082725
Date Collected: 08/27/25 12:40
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	5000	2000	ug/L			09/05/25 21:11	200
Acrolein	ND		4000	660	ug/L			09/05/25 21:11	200
Acrylonitrile	ND		2000	560	ug/L			09/05/25 21:11	200
Benzene	**36000**		200	100	ug/L			09/05/25 21:11	200
Bromobenzene	ND		200	110	ug/L			09/05/25 21:11	200
Bromochloromethane	ND		200	100	ug/L			09/05/25 21:11	200
Bromodichloromethane	ND		200	100	ug/L			09/05/25 21:11	200
Bromoform	ND		1000	50	ug/L			09/05/25 21:11	200
Bromomethane	ND	*+	200	200	ug/L			09/05/25 21:11	200
2-Butanone (MEK)	ND		5000	520	ug/L			09/05/25 21:11	200
Carbon disulfide	ND		200	100	ug/L			09/05/25 21:11	200
Carbon tetrachloride	ND		200	38	ug/L			09/05/25 21:11	200
Chlorobenzene	ND		200	84	ug/L			09/05/25 21:11	200
Chloroethane	ND		200	150	ug/L			09/05/25 21:11	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			09/05/25 21:11	200
Chloroform	ND		200	180	ug/L			09/05/25 21:11	200
1-Chlorohexane	ND		200	64	ug/L			09/05/25 21:11	200
Chloromethane	ND	UJ	200	80	ug/L			09/05/25 21:11	200
cis-1,2-Dichloroethene	ND		200	40	ug/L			09/05/25 21:11	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			09/05/25 21:11	200
Dibromochloromethane	ND		200	48	ug/L			09/05/25 21:11	200
1,2-Dibromo-3-Chloropropane	ND		1000	300	ug/L			09/05/25 21:11	200
1,2-Dibromoethane (EDB)	ND		200	46	ug/L			09/05/25 21:11	200
1,2-Dichlorobenzene	ND		200	100	ug/L			09/05/25 21:11	200
1,3-Dichlorobenzene	ND		200	110	ug/L			09/05/25 21:11	200
1,4-Dichlorobenzene	ND		200	130	ug/L			09/05/25 21:11	200
Dichlorodifluoromethane	ND		200	170	ug/L			09/05/25 21:11	200
1,1-Dichloroethane	ND		200	100	ug/L			09/05/25 21:11	200
1,2-Dichloroethane	ND		200	110	ug/L			09/05/25 21:11	200
1,1-Dichloroethene	ND		200	100	ug/L			09/05/25 21:11	200
1,2-Dichloropropane	ND		200	100	ug/L			09/05/25 21:11	200
1,3-Dichloropropane	ND		200	100	ug/L			09/05/25 21:11	200
2,2-Dichloropropane	ND		200	100	ug/L			09/05/25 21:11	200
1,1-Dichloropropene	ND		200	18	ug/L			09/05/25 21:11	200
1,4-Dioxane	ND		80000	5100	ug/L			09/05/25 21:11	200
Ethylbenzene	**160**	**J**	200	100	ug/L			09/05/25 21:11	200
Ethyl methacrylate	ND		200	120	ug/L			09/05/25 21:11	200
Hexachlorobutadiene	ND		1000	180	ug/L			09/05/25 21:11	200
2-Hexanone	ND		5000	850	ug/L			09/05/25 21:11	200
Isopropylbenzene	ND		200	110	ug/L			09/05/25 21:11	200
Methylene bromide	ND		1000	44	ug/L			09/05/25 21:11	200
Methylene Chloride	ND		1000	600	ug/L			09/05/25 21:11	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			09/05/25 21:11	200
Methyl tert-butyl ether	ND		200	44	ug/L			09/05/25 21:11	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			09/05/25 21:11	200
Naphthalene	ND		1000	600	ug/L			09/05/25 21:11	200
n-Butylbenzene	ND	*+	200	150	ug/L			09/05/25 21:11	200
N-Propylbenzene	ND		200	140	ug/L			09/05/25 21:11	200
o-Chlorotoluene	ND		200	110	ug/L			09/05/25 21:11	200

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-69-082725
Date Collected: 08/27/25 12:40
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1000	600	ug/L			09/05/25 21:11	200
p-Chlorotoluene	ND		200	110	ug/L			09/05/25 21:11	200
p-Isopropyltoluene	ND		200	140	ug/L			09/05/25 21:11	200
sec-Butylbenzene	ND		200	140	ug/L			09/05/25 21:11	200
Styrene	ND		200	200	ug/L			09/05/25 21:11	200
tert-Butylbenzene	ND		200	130	ug/L			09/05/25 21:11	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			09/05/25 21:11	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			09/05/25 21:11	200
Tetrachloroethene	ND		200	66	ug/L			09/05/25 21:11	200
Toluene	**3200**		200	180	ug/L			09/05/25 21:11	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			09/05/25 21:11	200
trans-1,3-Dichloropropene	ND		1000	40	ug/L			09/05/25 21:11	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			09/05/25 21:11	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			09/05/25 21:11	200
1,1,1-Trichloroethane	ND		200	36	ug/L			09/05/25 21:11	200
1,1,2-Trichloroethane	ND		1000	42	ug/L			09/05/25 21:11	200
Trichloroethene	ND		200	30	ug/L			09/05/25 21:11	200
Trichlorofluoromethane	ND		200	50	ug/L			09/05/25 21:11	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			09/05/25 21:11	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			09/05/25 21:11	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			09/05/25 21:11	200
Vinyl acetate	ND		5000	190	ug/L			09/05/25 21:11	200
Vinyl chloride	ND	UJ	200	100	ug/L			09/05/25 21:11	200
Xylenes, Total	ND		2000	1200	ug/L			09/05/25 21:11	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*09/05/25 21:11*	*200*
Dibromofluoromethane	*103*		*79 - 130*		*09/05/25 21:11*	*200*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/05/25 21:11*	*200*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-77-082725
Date Collected: 08/27/25 13:50
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25	10	ug/L			09/05/25 17:07	1
Acrolein	ND		20	3.3	ug/L			09/05/25 17:07	1
Acrylonitrile	ND		10	2.8	ug/L			09/05/25 17:07	1
Benzene	ND		1.0	0.50	ug/L			09/05/25 17:07	1
Bromobenzene	ND		1.0	0.54	ug/L			09/05/25 17:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/05/25 17:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
Bromoform	ND		5.0	0.25	ug/L			09/05/25 17:07	1
Bromomethane	ND	*+	1.0	0.98	ug/L			09/05/25 17:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/05/25 17:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/05/25 17:07	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/05/25 17:07	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/05/25 17:07	1
Chloroethane	ND		1.0	0.76	ug/L			09/05/25 17:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/05/25 17:07	1
Chloroform	ND		1.0	0.90	ug/L			09/05/25 17:07	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/05/25 17:07	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			09/05/25 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/05/25 17:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/05/25 17:07	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/05/25 17:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/05/25 17:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/05/25 17:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/05/25 17:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/05/25 17:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/05/25 17:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/05/25 17:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/05/25 17:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 17:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/05/25 17:07	1
1,4-Dioxane	ND		400	26	ug/L			09/05/25 17:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/05/25 17:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/05/25 17:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/05/25 17:07	1
2-Hexanone	ND		25	4.3	ug/L			09/05/25 17:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/05/25 17:07	1
Methylene bromide	ND		5.0	0.22	ug/L			09/05/25 17:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/05/25 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/05/25 17:07	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/05/25 17:07	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/05/25 17:07	1
Naphthalene	ND		5.0	3.0	ug/L			09/05/25 17:07	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			09/05/25 17:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/05/25 17:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/05/25 17:07	1

Client Sample ID: W-77-082725
Date Collected: 08/27/25 13:50
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			09/05/25 17:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/05/25 17:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/05/25 17:07	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/05/25 17:07	1
Styrene	ND		1.0	1.0	ug/L			09/05/25 17:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/05/25 17:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/05/25 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/05/25 17:07	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/05/25 17:07	1
Toluene	ND		1.0	0.90	ug/L			09/05/25 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 17:07	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/05/25 17:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/05/25 17:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/05/25 17:07	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/05/25 17:07	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/05/25 17:07	1
Trichloroethene	ND		1.0	0.15	ug/L			09/05/25 17:07	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/05/25 17:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/05/25 17:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/05/25 17:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/05/25 17:07	1
Vinyl acetate	ND		25	0.93	ug/L			09/05/25 17:07	1
Vinyl chloride	ND	UJ	1.0	0.50	ug/L			09/05/25 17:07	1
Xylenes, Total	ND		10	6.0	ug/L			09/05/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*09/05/25 17:07*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*09/05/25 17:07*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/05/25 17:07*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-92-082725
Date Collected: 08/27/25 14:10
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	500	200	ug/L			09/05/25 19:23	20
Acrolein	ND		400	66	ug/L			09/05/25 19:23	20
Acrylonitrile	ND		200	56	ug/L			09/05/25 19:23	20
Benzene	**1900**		20	10	ug/L			09/05/25 19:23	20
Bromobenzene	ND		20	11	ug/L			09/05/25 19:23	20
Bromochloromethane	ND		20	10	ug/L			09/05/25 19:23	20
Bromodichloromethane	ND		20	10	ug/L			09/05/25 19:23	20
Bromoform	ND		100	5.0	ug/L			09/05/25 19:23	20
Bromomethane	ND	*+	20	20	ug/L			09/05/25 19:23	20
2-Butanone (MEK)	ND		500	52	ug/L			09/05/25 19:23	20
Carbon disulfide	ND		20	10	ug/L			09/05/25 19:23	20
Carbon tetrachloride	ND		20	3.8	ug/L			09/05/25 19:23	20
Chlorobenzene	ND		20	8.4	ug/L			09/05/25 19:23	20
Chloroethane	ND		20	15	ug/L			09/05/25 19:23	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			09/05/25 19:23	20
Chloroform	ND		20	18	ug/L			09/05/25 19:23	20
1-Chlorohexane	ND		20	6.4	ug/L			09/05/25 19:23	20
Chloromethane	ND	UJ	20	8.0	ug/L			09/05/25 19:23	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			09/05/25 19:23	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			09/05/25 19:23	20
Dibromochloromethane	ND		20	4.8	ug/L			09/05/25 19:23	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			09/05/25 19:23	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			09/05/25 19:23	20
1,2-Dichlorobenzene	ND		20	10	ug/L			09/05/25 19:23	20
1,3-Dichlorobenzene	ND		20	11	ug/L			09/05/25 19:23	20
1,4-Dichlorobenzene	ND		20	13	ug/L			09/05/25 19:23	20
Dichlorodifluoromethane	ND		20	17	ug/L			09/05/25 19:23	20
1,1-Dichloroethane	ND		20	10	ug/L			09/05/25 19:23	20
1,2-Dichloroethane	ND		20	11	ug/L			09/05/25 19:23	20
1,1-Dichloroethene	ND		20	10	ug/L			09/05/25 19:23	20
1,2-Dichloropropane	ND		20	10	ug/L			09/05/25 19:23	20
1,3-Dichloropropane	ND		20	10	ug/L			09/05/25 19:23	20
2,2-Dichloropropane	ND		20	10	ug/L			09/05/25 19:23	20
1,1-Dichloropropene	ND		20	1.8	ug/L			09/05/25 19:23	20
1,4-Dioxane	ND		8000	510	ug/L			09/05/25 19:23	20
Ethylbenzene	**88**		20	10	ug/L			09/05/25 19:23	20
Ethyl methacrylate	ND		20	12	ug/L			09/05/25 19:23	20
Hexachlorobutadiene	ND		100	18	ug/L			09/05/25 19:23	20
2-Hexanone	ND		500	85	ug/L			09/05/25 19:23	20
Isopropylbenzene	ND		20	11	ug/L			09/05/25 19:23	20
Methylene bromide	ND		100	4.4	ug/L			09/05/25 19:23	20
Methylene Chloride	ND		100	60	ug/L			09/05/25 19:23	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			09/05/25 19:23	20
Methyl tert-butyl ether	**6.8**	**J**	20	4.4	ug/L			09/05/25 19:23	20
m-Xylene & p-Xylene	**160**		100	60	ug/L			09/05/25 19:23	20
Naphthalene	ND		100	60	ug/L			09/05/25 19:23	20
n-Butylbenzene	ND	*+	20	15	ug/L			09/05/25 19:23	20
N-Propylbenzene	ND		20	14	ug/L			09/05/25 19:23	20
o-Chlorotoluene	ND		20	11	ug/L			09/05/25 19:23	20

Client Sample ID: W-92-082725
Date Collected: 08/27/25 14:10
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		100	60	ug/L			09/05/25 19:23	20
p-Chlorotoluene	ND		20	11	ug/L			09/05/25 19:23	20
p-Isopropyltoluene	ND		20	14	ug/L			09/05/25 19:23	20
sec-Butylbenzene	ND		20	14	ug/L			09/05/25 19:23	20
Styrene	ND		20	20	ug/L			09/05/25 19:23	20
tert-Butylbenzene	ND		20	13	ug/L			09/05/25 19:23	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			09/05/25 19:23	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			09/05/25 19:23	20
Tetrachloroethene	ND		20	6.6	ug/L			09/05/25 19:23	20
Toluene	**190**		20	18	ug/L			09/05/25 19:23	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			09/05/25 19:23	20
trans-1,3-Dichloropropene	ND		100	4.0	ug/L			09/05/25 19:23	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			09/05/25 19:23	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			09/05/25 19:23	20
1,1,1-Trichloroethane	ND		20	3.6	ug/L			09/05/25 19:23	20
1,1,2-Trichloroethane	ND		100	4.2	ug/L			09/05/25 19:23	20
Trichloroethene	ND		20	3.0	ug/L			09/05/25 19:23	20
Trichlorofluoromethane	ND		20	5.0	ug/L			09/05/25 19:23	20
1,2,3-Trichloropropane	ND		100	17	ug/L			09/05/25 19:23	20
1,2,4-Trimethylbenzene	**23**		20	16	ug/L			09/05/25 19:23	20
1,3,5-Trimethylbenzene	ND		20	11	ug/L			09/05/25 19:23	20
Vinyl acetate	ND		500	19	ug/L			09/05/25 19:23	20
Vinyl chloride	ND	UJ	20	10	ug/L			09/05/25 19:23	20
Xylenes, Total	**210**		200	120	ug/L			09/05/25 19:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*09/05/25 19:23*	*20*
Dibromofluoromethane	*103*		*79 - 130*		*09/05/25 19:23*	*20*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/05/25 19:23*	*20*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-89-082725
Date Collected: 08/27/25 13:05
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	130	50	ug/L			09/05/25 18:01	5
Acrolein	ND		100	17	ug/L			09/05/25 18:01	5
Acrylonitrile	ND		50	14	ug/L			09/05/25 18:01	5
Benzene	**680**		5.0	2.5	ug/L			09/05/25 18:01	5
Bromobenzene	ND		5.0	2.7	ug/L			09/05/25 18:01	5
Bromochloromethane	ND		5.0	2.6	ug/L			09/05/25 18:01	5
Bromodichloromethane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
Bromoform	ND		25	1.3	ug/L			09/05/25 18:01	5
Bromomethane	ND	*+	5.0	4.9	ug/L			09/05/25 18:01	5
2-Butanone (MEK)	ND		130	13	ug/L			09/05/25 18:01	5
Carbon disulfide	ND		5.0	2.5	ug/L			09/05/25 18:01	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			09/05/25 18:01	5
Chlorobenzene	ND		5.0	2.1	ug/L			09/05/25 18:01	5
Chloroethane	ND		5.0	3.8	ug/L			09/05/25 18:01	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			09/05/25 18:01	5
Chloroform	ND		5.0	4.5	ug/L			09/05/25 18:01	5
1-Chlorohexane	ND		5.0	1.6	ug/L			09/05/25 18:01	5
Chloromethane	ND	UJ	5.0	2.0	ug/L			09/05/25 18:01	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			09/05/25 18:01	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			09/05/25 18:01	5
Dibromochloromethane	ND		5.0	1.2	ug/L			09/05/25 18:01	5
1,2-Dibromo-3-Chloropropane	ND		25	7.5	ug/L			09/05/25 18:01	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			09/05/25 18:01	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			09/05/25 18:01	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			09/05/25 18:01	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			09/05/25 18:01	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			09/05/25 18:01	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			09/05/25 18:01	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			09/05/25 18:01	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			09/05/25 18:01	5
1,4-Dioxane	ND		2000	130	ug/L			09/05/25 18:01	5
Ethylbenzene	**66**		5.0	2.5	ug/L			09/05/25 18:01	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			09/05/25 18:01	5
Hexachlorobutadiene	ND		25	4.5	ug/L			09/05/25 18:01	5
2-Hexanone	ND		130	21	ug/L			09/05/25 18:01	5
Isopropylbenzene	**3.0**	**J**	5.0	2.7	ug/L			09/05/25 18:01	5
Methylene bromide	ND		25	1.1	ug/L			09/05/25 18:01	5
Methylene Chloride	ND		25	15	ug/L			09/05/25 18:01	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			09/05/25 18:01	5
Methyl tert-butyl ether	**4.1**	**J**	5.0	1.1	ug/L			09/05/25 18:01	5
m-Xylene & p-Xylene	**160**		25	15	ug/L			09/05/25 18:01	5
Naphthalene	ND		25	15	ug/L			09/05/25 18:01	5
n-Butylbenzene	ND	*+	5.0	3.8	ug/L			09/05/25 18:01	5
N-Propylbenzene	ND		5.0	3.5	ug/L			09/05/25 18:01	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			09/05/25 18:01	5

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-89-082725
Date Collected: 08/27/25 13:05
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**26**		25	15	ug/L			09/05/25 18:01	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			09/05/25 18:01	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			09/05/25 18:01	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			09/05/25 18:01	5
Styrene	ND		5.0	5.0	ug/L			09/05/25 18:01	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			09/05/25 18:01	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			09/05/25 18:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			09/05/25 18:01	5
Tetrachloroethene	ND		5.0	1.7	ug/L			09/05/25 18:01	5
Toluene	**49**		5.0	4.5	ug/L			09/05/25 18:01	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			09/05/25 18:01	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			09/05/25 18:01	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			09/05/25 18:01	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			09/05/25 18:01	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			09/05/25 18:01	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			09/05/25 18:01	5
Trichloroethene	ND		5.0	0.75	ug/L			09/05/25 18:01	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			09/05/25 18:01	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			09/05/25 18:01	5
1,2,4-Trimethylbenzene	**21**		5.0	4.1	ug/L			09/05/25 18:01	5
1,3,5-Trimethylbenzene	**4.9**	**J**	5.0	2.8	ug/L			09/05/25 18:01	5
Vinyl acetate	ND		130	4.7	ug/L			09/05/25 18:01	5
Vinyl chloride	ND	**UJ**	5.0	2.5	ug/L			09/05/25 18:01	5
Xylenes, Total	**180**		50	30	ug/L			09/05/25 18:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*09/05/25 18:01*	*5*
Dibromofluoromethane	*104*		*79 - 130*		*09/05/25 18:01*	*5*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/05/25 18:01*	*5*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-80-082725
Date Collected: 08/27/25 13:20
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	2500	1000	ug/L			09/05/25 19:50	100
Acrolein	ND		2000	330	ug/L			09/05/25 19:50	100
Acrylonitrile	ND		1000	280	ug/L			09/05/25 19:50	100
Benzene	**9800**		100	50	ug/L			09/05/25 19:50	100
Bromobenzene	ND		100	54	ug/L			09/05/25 19:50	100
Bromochloromethane	ND		100	52	ug/L			09/05/25 19:50	100
Bromodichloromethane	ND		100	50	ug/L			09/05/25 19:50	100
Bromoform	ND		500	25	ug/L			09/05/25 19:50	100
Bromomethane	ND	*+	100	98	ug/L			09/05/25 19:50	100
2-Butanone (MEK)	ND		2500	260	ug/L			09/05/25 19:50	100
Carbon disulfide	ND		100	50	ug/L			09/05/25 19:50	100
Carbon tetrachloride	ND		100	19	ug/L			09/05/25 19:50	100
Chlorobenzene	ND		100	42	ug/L			09/05/25 19:50	100
Chloroethane	ND		100	76	ug/L			09/05/25 19:50	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			09/05/25 19:50	100
Chloroform	ND		100	90	ug/L			09/05/25 19:50	100
1-Chlorohexane	ND		100	32	ug/L			09/05/25 19:50	100
Chloromethane	ND	UJ	100	40	ug/L			09/05/25 19:50	100
cis-1,2-Dichloroethene	ND		100	20	ug/L			09/05/25 19:50	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			09/05/25 19:50	100
Dibromochloromethane	ND		100	24	ug/L			09/05/25 19:50	100
1,2-Dibromo-3-Chloropropane	ND		500	150	ug/L			09/05/25 19:50	100
1,2-Dibromoethane (EDB)	ND		100	23	ug/L			09/05/25 19:50	100
1,2-Dichlorobenzene	ND		100	50	ug/L			09/05/25 19:50	100
1,3-Dichlorobenzene	ND		100	54	ug/L			09/05/25 19:50	100
1,4-Dichlorobenzene	ND		100	64	ug/L			09/05/25 19:50	100
Dichlorodifluoromethane	ND		100	85	ug/L			09/05/25 19:50	100
1,1-Dichloroethane	ND		100	50	ug/L			09/05/25 19:50	100
1,2-Dichloroethane	ND		100	55	ug/L			09/05/25 19:50	100
1,1-Dichloroethene	ND		100	50	ug/L			09/05/25 19:50	100
1,2-Dichloropropane	ND		100	50	ug/L			09/05/25 19:50	100
1,3-Dichloropropane	ND		100	50	ug/L			09/05/25 19:50	100
2,2-Dichloropropane	ND		100	50	ug/L			09/05/25 19:50	100
1,1-Dichloropropene	ND		100	9.0	ug/L			09/05/25 19:50	100
1,4-Dioxane	ND		40000	2600	ug/L			09/05/25 19:50	100
Ethylbenzene	ND		100	50	ug/L			09/05/25 19:50	100
Ethyl methacrylate	ND		100	60	ug/L			09/05/25 19:50	100
Hexachlorobutadiene	ND		500	90	ug/L			09/05/25 19:50	100
2-Hexanone	ND		2500	430	ug/L			09/05/25 19:50	100
Isopropylbenzene	ND		100	53	ug/L			09/05/25 19:50	100
Methylene bromide	ND		500	22	ug/L			09/05/25 19:50	100
Methylene Chloride	ND		500	300	ug/L			09/05/25 19:50	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			09/05/25 19:50	100
Methyl tert-butyl ether	ND		100	22	ug/L			09/05/25 19:50	100
m-Xylene & p-Xylene	ND		500	300	ug/L			09/05/25 19:50	100
Naphthalene	ND		500	300	ug/L			09/05/25 19:50	100
n-Butylbenzene	ND	*+	100	76	ug/L			09/05/25 19:50	100
N-Propylbenzene	ND		100	69	ug/L			09/05/25 19:50	100
o-Chlorotoluene	ND		100	57	ug/L			09/05/25 19:50	100

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-80-082725
Date Collected: 08/27/25 13:20
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		500	300	ug/L			09/05/25 19:50	100
p-Chlorotoluene	ND		100	56	ug/L			09/05/25 19:50	100
p-Isopropyltoluene	ND		100	71	ug/L			09/05/25 19:50	100
sec-Butylbenzene	ND		100	70	ug/L			09/05/25 19:50	100
Styrene	ND		100	100	ug/L			09/05/25 19:50	100
tert-Butylbenzene	ND		100	63	ug/L			09/05/25 19:50	100
1,1,1,2-Tetrachloroethane	ND		100	38	ug/L			09/05/25 19:50	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			09/05/25 19:50	100
Tetrachloroethene	ND		100	33	ug/L			09/05/25 19:50	100
Toluene	ND		100	90	ug/L			09/05/25 19:50	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			09/05/25 19:50	100
trans-1,3-Dichloropropene	ND		500	20	ug/L			09/05/25 19:50	100
1,2,3-Trichlorobenzene	ND		100	90	ug/L			09/05/25 19:50	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			09/05/25 19:50	100
1,1,1-Trichloroethane	ND		100	18	ug/L			09/05/25 19:50	100
1,1,2-Trichloroethane	ND		500	21	ug/L			09/05/25 19:50	100
Trichloroethene	ND		100	15	ug/L			09/05/25 19:50	100
Trichlorofluoromethane	ND		100	25	ug/L			09/05/25 19:50	100
1,2,3-Trichloropropane	ND		500	84	ug/L			09/05/25 19:50	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			09/05/25 19:50	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			09/05/25 19:50	100
Vinyl acetate	ND		2500	93	ug/L			09/05/25 19:50	100
Vinyl chloride	ND	UJ	100	50	ug/L			09/05/25 19:50	100
Xylenes, Total	ND		1000	600	ug/L			09/05/25 19:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*09/05/25 19:50*	*100*
Dibromofluoromethane	*103*		*79 - 130*		*09/05/25 19:50*	*100*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/05/25 19:50*	*100*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-88-082725
Date Collected: 08/27/25 12:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	2500	1000	ug/L			09/05/25 20:17	100
Acrolein	ND		2000	330	ug/L			09/05/25 20:17	100
Acrylonitrile	ND		1000	280	ug/L			09/05/25 20:17	100
Benzene	**7500**		100	50	ug/L			09/05/25 20:17	100
Bromobenzene	ND		100	54	ug/L			09/05/25 20:17	100
Bromochloromethane	ND		100	52	ug/L			09/05/25 20:17	100
Bromodichloromethane	ND		100	50	ug/L			09/05/25 20:17	100
Bromoform	ND		500	25	ug/L			09/05/25 20:17	100
Bromomethane	ND	*+	100	98	ug/L			09/05/25 20:17	100
2-Butanone (MEK)	ND		2500	260	ug/L			09/05/25 20:17	100
Carbon disulfide	ND		100	50	ug/L			09/05/25 20:17	100
Carbon tetrachloride	ND		100	19	ug/L			09/05/25 20:17	100
Chlorobenzene	ND		100	42	ug/L			09/05/25 20:17	100
Chloroethane	ND		100	76	ug/L			09/05/25 20:17	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			09/05/25 20:17	100
Chloroform	ND		100	90	ug/L			09/05/25 20:17	100
1-Chlorohexane	ND		100	32	ug/L			09/05/25 20:17	100
Chloromethane	ND	UJ	100	40	ug/L			09/05/25 20:17	100
cis-1,2-Dichloroethene	ND		100	20	ug/L			09/05/25 20:17	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			09/05/25 20:17	100
Dibromochloromethane	ND		100	24	ug/L			09/05/25 20:17	100
1,2-Dibromo-3-Chloropropane	ND		500	150	ug/L			09/05/25 20:17	100
1,2-Dibromoethane (EDB)	ND		100	23	ug/L			09/05/25 20:17	100
1,2-Dichlorobenzene	ND		100	50	ug/L			09/05/25 20:17	100
1,3-Dichlorobenzene	ND		100	54	ug/L			09/05/25 20:17	100
1,4-Dichlorobenzene	ND		100	64	ug/L			09/05/25 20:17	100
Dichlorodifluoromethane	ND		100	85	ug/L			09/05/25 20:17	100
1,1-Dichloroethane	ND		100	50	ug/L			09/05/25 20:17	100
1,2-Dichloroethane	ND		100	55	ug/L			09/05/25 20:17	100
1,1-Dichloroethene	ND		100	50	ug/L			09/05/25 20:17	100
1,2-Dichloropropane	ND		100	50	ug/L			09/05/25 20:17	100
1,3-Dichloropropane	ND		100	50	ug/L			09/05/25 20:17	100
2,2-Dichloropropane	ND		100	50	ug/L			09/05/25 20:17	100
1,1-Dichloropropene	ND		100	9.0	ug/L			09/05/25 20:17	100
1,4-Dioxane	ND		40000	2600	ug/L			09/05/25 20:17	100
Ethylbenzene	**2300**		100	50	ug/L			09/05/25 20:17	100
Ethyl methacrylate	ND		100	60	ug/L			09/05/25 20:17	100
Hexachlorobutadiene	ND		500	90	ug/L			09/05/25 20:17	100
2-Hexanone	ND		2500	430	ug/L			09/05/25 20:17	100
Isopropylbenzene	**120**		100	53	ug/L			09/05/25 20:17	100
Methylene bromide	ND		500	22	ug/L			09/05/25 20:17	100
Methylene Chloride	ND		500	300	ug/L			09/05/25 20:17	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			09/05/25 20:17	100
Methyl tert-butyl ether	ND		100	22	ug/L			09/05/25 20:17	100
m-Xylene & p-Xylene	**6600**		500	300	ug/L			09/05/25 20:17	100
Naphthalene	**360**	**J**	500	300	ug/L			09/05/25 20:17	100
n-Butylbenzene	ND	*+	100	76	ug/L			09/05/25 20:17	100
N-Propylbenzene	**230**		100	69	ug/L			09/05/25 20:17	100
o-Chlorotoluene	ND		100	57	ug/L			09/05/25 20:17	100

Client Sample ID: W-88-082725
Date Collected: 08/27/25 12:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**2700**		500	300	ug/L			09/05/25 20:17	100
p-Chlorotoluene	ND		100	56	ug/L			09/05/25 20:17	100
p-Isopropyltoluene	ND		100	71	ug/L			09/05/25 20:17	100
sec-Butylbenzene	ND		100	70	ug/L			09/05/25 20:17	100
Styrene	ND		100	100	ug/L			09/05/25 20:17	100
tert-Butylbenzene	ND		100	63	ug/L			09/05/25 20:17	100
1,1,1,2-Tetrachloroethane	ND		100	38	ug/L			09/05/25 20:17	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			09/05/25 20:17	100
Tetrachloroethene	ND		100	33	ug/L			09/05/25 20:17	100
Toluene	**9600**		100	90	ug/L			09/05/25 20:17	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			09/05/25 20:17	100
trans-1,3-Dichloropropene	ND		500	20	ug/L			09/05/25 20:17	100
1,2,3-Trichlorobenzene	ND		100	90	ug/L			09/05/25 20:17	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			09/05/25 20:17	100
1,1,1-Trichloroethane	ND		100	18	ug/L			09/05/25 20:17	100
1,1,2-Trichloroethane	ND		500	21	ug/L			09/05/25 20:17	100
Trichloroethene	ND		100	15	ug/L			09/05/25 20:17	100
Trichlorofluoromethane	ND		100	25	ug/L			09/05/25 20:17	100
1,2,3-Trichloropropane	ND		500	84	ug/L			09/05/25 20:17	100
1,2,4-Trimethylbenzene	**1400**		100	82	ug/L			09/05/25 20:17	100
1,3,5-Trimethylbenzene	**360**		100	56	ug/L			09/05/25 20:17	100
Vinyl acetate	ND		2500	93	ug/L			09/05/25 20:17	100
Vinyl chloride	ND	UJ	100	50	ug/L			09/05/25 20:17	100
Xylenes, Total	**9400**		1000	600	ug/L			09/05/25 20:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*09/05/25 20:17*	*100*
Dibromofluoromethane	*103*		*79 - 130*		*09/05/25 20:17*	*100*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/05/25 20:17*	*100*

Definitions/Glossary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-281568-1	TB-WW-082725	98	105	98
400-281568-2	W-81-082715	95	105	101
400-281568-3	W-68-082725	95	107	100
400-281568-4	W-90-082725	105	104	98
400-281568-5	W-90-082725-DUP	105	104	99
400-281568-6	W-91-082725	99	102	99
400-281568-6	W-91-082725	104	110	98
400-281568-6 MS	W-91-082725	96	105	100
400-281568-6 MS	W-91-082725	102	108	98
400-281568-6 MSD	W-91-082725	95	105	99
400-281568-6 MSD	W-91-082725	106	106	100
400-281568-7	W-39-082725	96	106	100
400-281568-8	W-39-082725-DUP	96	107	100
400-281568-9	W-87-082725	96	101	98
400-281568-9 - DL	W-87-082725	104	107	99
400-281568-10	W-86-082725	99	101	98
400-281568-12	W-72-082725	98	103	98
400-281568-13	W-70-082725	106	111	98
400-281568-14	W-79-082725	99	102	102
400-281568-15	W-69-082725	98	103	99
400-281568-16	W-77-082725	94	107	98
400-281568-17	W-92-082725	98	103	100
400-281568-18	W-89-082725	97	104	99
400-281568-19	W-80-082725	99	103	101
400-281568-20	W-88-082725	95	103	101
400-281642-A-2 MS	Matrix Spike	95	107	101
400-281642-A-2 MSD	Matrix Spike Duplicate	96	107	100
705-41830-A-1 MS	Matrix Spike	103	105	99
705-41830-A-1 MSD	Matrix Spike Duplicate	102	104	97
LCS 400-721885/1002	Lab Control Sample	98	107	100
LCS 400-722025/1002	Lab Control Sample	95	106	99
LCS 400-722203/1002	Lab Control Sample	104	107	98
LCS 400-722391/1002	Lab Control Sample	105	104	98
MB 400-721885/5	Method Blank	97	105	101
MB 400-722025/5	Method Blank	96	104	100
MB 400-722203/5	Method Blank	101	114	100
MB 400-722391/5	Method Blank	103	110	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

GC/MS VOA

Analysis Batch: 721885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-281568-1	TB-WW-082725	Total/NA	Water	8260D	
400-281568-2	W-81-082715	Total/NA	Water	8260D	
400-281568-3	W-68-082725	Total/NA	Water	8260D	
400-281568-4	W-90-082725	Total/NA	Water	8260D	
400-281568-5	W-90-082725-DUP	Total/NA	Water	8260D	
MB 400-721885/5	Method Blank	Total/NA	Water	8260D	
LCS 400-721885/1002	Lab Control Sample	Total/NA	Water	8260D	
400-281642-A-2 MS	Matrix Spike	Total/NA	Water	8260D	
400-281642-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 722025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-281568-6	W-91-082725	Total/NA	Water	8260D	
400-281568-7	W-39-082725	Total/NA	Water	8260D	
400-281568-8	W-39-082725-DUP	Total/NA	Water	8260D	
400-281568-9	W-87-082725	Total/NA	Water	8260D	
400-281568-10	W-86-082725	Total/NA	Water	8260D	
400-281568-12	W-72-082725	Total/NA	Water	8260D	
400-281568-14	W-79-082725	Total/NA	Water	8260D	
400-281568-15	W-69-082725	Total/NA	Water	8260D	
400-281568-16	W-77-082725	Total/NA	Water	8260D	
400-281568-17	W-92-082725	Total/NA	Water	8260D	
400-281568-18	W-89-082725	Total/NA	Water	8260D	
400-281568-19	W-80-082725	Total/NA	Water	8260D	
400-281568-20	W-88-082725	Total/NA	Water	8260D	
MB 400-722025/5	Method Blank	Total/NA	Water	8260D	
LCS 400-722025/1002	Lab Control Sample	Total/NA	Water	8260D	
400-281568-6 MS	W-91-082725	Total/NA	Water	8260D	
400-281568-6 MSD	W-91-082725	Total/NA	Water	8260D	

Analysis Batch: 722203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-281568-6	W-91-082725	Total/NA	Water	8260D	
400-281568-13	W-70-082725	Total/NA	Water	8260D	
MB 400-722203/5	Method Blank	Total/NA	Water	8260D	
LCS 400-722203/1002	Lab Control Sample	Total/NA	Water	8260D	
400-281568-6 MS	W-91-082725	Total/NA	Water	8260D	
400-281568-6 MSD	W-91-082725	Total/NA	Water	8260D	

Analysis Batch: 722391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-281568-9 - DL	W-87-082725	Total/NA	Water	8260D	
MB 400-722391/5	Method Blank	Total/NA	Water	8260D	
LCS 400-722391/1002	Lab Control Sample	Total/NA	Water	8260D	
705-41830-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
705-41830-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-721885/5
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/04/25 10:53	1
Acrolein	ND		20	3.3	ug/L			09/04/25 10:53	1
Acrylonitrile	ND		10	2.8	ug/L			09/04/25 10:53	1
Benzene	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Bromobenzene	ND		1.0	0.54	ug/L			09/04/25 10:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/04/25 10:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Bromoform	ND		5.0	0.25	ug/L			09/04/25 10:53	1
Bromomethane	ND		1.0	0.98	ug/L			09/04/25 10:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/04/25 10:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/04/25 10:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/04/25 10:53	1
Chloroethane	ND		1.0	0.76	ug/L			09/04/25 10:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/04/25 10:53	1
Chloroform	ND		1.0	0.90	ug/L			09/04/25 10:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/04/25 10:53	1
Chloromethane	ND		1.0	0.40	ug/L			09/04/25 10:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/04/25 10:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/04/25 10:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/04/25 10:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/04/25 10:53	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/04/25 10:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/04/25 10:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/04/25 10:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/04/25 10:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/04/25 10:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/04/25 10:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 10:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/04/25 10:53	1
1,4-Dioxane	ND		400	26	ug/L			09/04/25 10:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/04/25 10:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/04/25 10:53	1
2-Hexanone	ND		25	4.3	ug/L			09/04/25 10:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/04/25 10:53	1
Methylene bromide	ND		5.0	0.22	ug/L			09/04/25 10:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/04/25 10:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/04/25 10:53	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/04/25 10:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/04/25 10:53	1
Naphthalene	ND		5.0	3.0	ug/L			09/04/25 10:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/04/25 10:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/25 10:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-721885/5
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/04/25 10:53	1
o-Xylene	ND		5.0	3.0	ug/L			09/04/25 10:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/04/25 10:53	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/04/25 10:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/04/25 10:53	1
Styrene	ND		1.0	1.0	ug/L			09/04/25 10:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/04/25 10:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/04/25 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/04/25 10:53	1
Toluene	ND		1.0	0.90	ug/L			09/04/25 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/04/25 10:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/04/25 10:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/04/25 10:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/04/25 10:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/04/25 10:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/04/25 10:53	1
Trichloroethene	ND		1.0	0.15	ug/L			09/04/25 10:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/04/25 10:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/04/25 10:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/04/25 10:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/04/25 10:53	1
Vinyl acetate	ND		25	0.93	ug/L			09/04/25 10:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			09/04/25 10:53	1
Xylenes, Total	ND		10	6.0	ug/L			09/04/25 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*09/04/25 10:53*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*09/04/25 10:53*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/04/25 10:53*	*1*

Lab Sample ID: LCS 400-721885/1002
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	292		ug/L		146	43 - 150
Acrolein	500	445		ug/L		89	38 - 150
Acrylonitrile	500	435		ug/L		87	64 - 142
Benzene	50.0	50.8		ug/L		102	70 - 130
Bromobenzene	50.0	52.6		ug/L		105	70 - 132
Bromochloromethane	50.0	53.9		ug/L		108	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	49.9		ug/L		100	57 - 140
Bromomethane	50.0	105	*+	ug/L		209	10 - 150
2-Butanone (MEK)	200	223		ug/L		111	61 - 145
Carbon disulfide	50.0	53.9		ug/L		108	61 - 137
Carbon tetrachloride	50.0	50.9		ug/L		102	61 - 137

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-721885/1002
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130
Chloroethane	50.0	52.7		ug/L		105	55 - 141
2-Chloroethyl vinyl ether	50.0	31.3		ug/L		63	10 - 150
Chloroform	50.0	52.6		ug/L		105	69 - 130
1-Chlorohexane	50.0	46.6		ug/L		93	69 - 130
Chloromethane	50.0	42.0		ug/L		84	58 - 137
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	68 - 130
cis-1,3-Dichloropropene	50.0	51.2		ug/L		102	69 - 132
Dibromochloromethane	50.0	51.4		ug/L		103	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	48.7		ug/L		97	54 - 135
1,2-Dibromoethane (EDB)	50.0	50.8		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	55.7		ug/L		111	67 - 130
1,3-Dichlorobenzene	50.0	55.3		ug/L		111	70 - 130
1,4-Dichlorobenzene	50.0	55.4		ug/L		111	70 - 130
Dichlorodifluoromethane	50.0	43.6		ug/L		87	41 - 146
1,1-Dichloroethane	50.0	47.2		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	48.8		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	52.9		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	50.6		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	48.9		ug/L		98	52 - 135
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
1,4-Dioxane	1000	1070		ug/L		107	50 - 150
Ethylbenzene	50.0	53.6		ug/L		107	70 - 130
Ethyl methacrylate	50.0	50.1		ug/L		100	68 - 130
Hexachlorobutadiene	50.0	60.8		ug/L		122	53 - 140
2-Hexanone	200	166		ug/L		83	65 - 137
Isopropylbenzene	50.0	54.0		ug/L		108	70 - 130
Methylene bromide	50.0	54.1		ug/L		108	70 - 130
Methylene Chloride	50.0	51.4		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	172		ug/L		86	69 - 138
Methyl tert-butyl ether	50.0	49.5		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 130
Naphthalene	50.0	46.7		ug/L		93	47 - 149
n-Butylbenzene	50.0	64.3		ug/L		129	67 - 130
N-Propylbenzene	50.0	55.9		ug/L		112	70 - 130
o-Chlorotoluene	50.0	55.7		ug/L		111	70 - 130
o-Xylene	50.0	51.8		ug/L		104	70 - 130
p-Chlorotoluene	50.0	55.2		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	58.6		ug/L		117	65 - 130
sec-Butylbenzene	50.0	58.5		ug/L		117	66 - 130
Styrene	50.0	51.7		ug/L		103	70 - 130
tert-Butylbenzene	50.0	55.3		ug/L		111	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.5		ug/L		103	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 131
Tetrachloroethene	50.0	47.7		ug/L		95	65 - 130
Toluene	50.0	51.0		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	63 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-721885/1002
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	51.5		ug/L		103	60 - 138
1,2,4-Trichlorobenzene	50.0	54.9		ug/L		110	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
Trichloroethene	50.0	52.1		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	54.6		ug/L		109	65 - 138
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	50.0	55.9		ug/L		112	70 - 130
1,3,5-Trimethylbenzene	50.0	55.4		ug/L		111	69 - 130
Vinyl acetate	100	98.5		ug/L		99	26 - 150
Vinyl chloride	50.0	39.8		ug/L		80	59 - 136
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-281642-A-2 MS
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	269		ug/L		135	43 - 150
Acrolein	ND		500	465		ug/L		93	38 - 150
Acrylonitrile	ND		500	413		ug/L		83	62 - 149
Benzene	ND		50.0	50.5		ug/L		101	56 - 142
Bromobenzene	ND		50.0	50.0		ug/L		100	59 - 136
Bromochloromethane	ND		50.0	53.7		ug/L		107	64 - 140
Bromodichloromethane	ND		50.0	51.0		ug/L		102	59 - 143
Bromoform	ND		50.0	48.3		ug/L		97	50 - 140
Bromomethane	ND	*+ F1	50.0	99.3	F1	ug/L		199	10 - 150
2-Butanone (MEK)	ND		200	202		ug/L		101	55 - 150
Carbon disulfide	ND		50.0	49.8		ug/L		100	48 - 150
Carbon tetrachloride	ND		50.0	49.5		ug/L		99	55 - 145
Chlorobenzene	ND		50.0	50.0		ug/L		100	64 - 130
Chloroethane	ND		50.0	57.7		ug/L		115	50 - 150
2-Chloroethyl vinyl ether	ND		50.0	33.2		ug/L		66	10 - 150
Chloroform	ND		50.0	51.3		ug/L		103	60 - 141
1-Chlorohexane	ND		50.0	43.6		ug/L		87	56 - 136
Chloromethane	ND		50.0	36.4		ug/L		73	49 - 148
cis-1,2-Dichloroethene	ND		50.0	45.7		ug/L		91	59 - 143
cis-1,3-Dichloropropene	ND		50.0	49.7		ug/L		99	57 - 140
Dibromochloromethane	ND		50.0	51.1		ug/L		102	56 - 143
1,2-Dibromo-3-Chloropropane	ND		50.0	44.9		ug/L		90	45 - 135
1,2-Dibromoethane (EDB)	ND		50.0	50.3		ug/L		101	64 - 132
1,2-Dichlorobenzene	ND		50.0	51.1		ug/L		102	52 - 137
1,3-Dichlorobenzene	ND		50.0	50.5		ug/L		101	54 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281642-A-2 MS
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	ND		50.0	51.0		ug/L		102	53 - 135
Dichlorodifluoromethane	ND		50.0	43.3		ug/L		87	16 - 150
1,1-Dichloroethane	ND		50.0	45.7		ug/L		91	61 - 144
1,2-Dichloroethane	ND		50.0	47.7		ug/L		95	60 - 141
1,1-Dichloroethene	ND		50.0	52.0		ug/L		104	54 - 147
1,2-Dichloropropane	ND		50.0	47.7		ug/L		95	66 - 137
1,3-Dichloropropane	ND		50.0	50.3		ug/L		101	66 - 133
2,2-Dichloropropane	ND		50.0	46.6		ug/L		93	42 - 144
1,1-Dichloropropene	ND		50.0	50.4		ug/L		101	65 - 136
1,4-Dioxane	ND		1000	973		ug/L		97	10 - 150
Ethylbenzene	ND		50.0	51.2		ug/L		102	58 - 131
Ethyl methacrylate	ND		50.0	49.7		ug/L		99	64 - 130
Hexachlorobutadiene	ND		50.0	49.1		ug/L		98	31 - 149
2-Hexanone	ND		200	145		ug/L		72	65 - 140
Isopropylbenzene	ND		50.0	50.3		ug/L		101	56 - 133
Methylene bromide	ND		50.0	53.3		ug/L		107	63 - 138
Methylene Chloride	ND		50.0	49.4		ug/L		99	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	158		ug/L		79	63 - 146
Methyl tert-butyl ether	ND		50.0	47.9		ug/L		96	59 - 137
m-Xylene & p-Xylene	ND		50.0	49.2		ug/L		98	57 - 130
Naphthalene	ND		50.0	46.1		ug/L		92	25 - 150
n-Butylbenzene	ND		50.0	54.7		ug/L		109	41 - 142
N-Propylbenzene	ND		50.0	50.6		ug/L		101	51 - 138
o-Chlorotoluene	ND		50.0	52.1		ug/L		104	53 - 134
o-Xylene	ND		50.0	49.8		ug/L		100	61 - 130
p-Chlorotoluene	ND		50.0	50.1		ug/L		100	54 - 133
p-Isopropyltoluene	ND		50.0	51.1		ug/L		102	48 - 139
sec-Butylbenzene	ND		50.0	51.4		ug/L		103	50 - 138
Styrene	ND		50.0	49.6		ug/L		99	58 - 131
tert-Butylbenzene	ND		50.0	50.4		ug/L		101	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	50.5		ug/L		101	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	51.4		ug/L		103	66 - 135
Tetrachloroethene	ND		50.0	45.9		ug/L		92	52 - 133
Toluene	ND		50.0	49.9		ug/L		100	65 - 130
trans-1,2-Dichloroethene	ND		50.0	48.5		ug/L		97	61 - 143
trans-1,3-Dichloropropene	ND		50.0	49.3		ug/L		99	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	47.2		ug/L		94	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	48.9		ug/L		98	39 - 148
1,1,1-Trichloroethane	ND		50.0	49.2		ug/L		98	57 - 142
1,1,2-Trichloroethane	ND		50.0	50.9		ug/L		102	66 - 131
Trichloroethene	ND		50.0	49.9		ug/L		100	64 - 136
Trichlorofluoromethane	ND		50.0	56.9		ug/L		114	54 - 150
1,2,3-Trichloropropane	ND		50.0	49.9		ug/L		100	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	50.4		ug/L		101	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	50.3		ug/L		101	52 - 135
Vinyl acetate	ND		100	99.2		ug/L		99	26 - 150
Vinyl chloride	ND		50.0	39.6		ug/L		79	46 - 150
Xylenes, Total	ND		100	99.0		ug/L		99	59 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281642-A-2 MS
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: 400-281642-A-2 MSD
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	276		ug/L		138	43 - 150	3	30
Acrolein	ND		500	476		ug/L		95	38 - 150	2	31
Acrylonitrile	ND		500	435		ug/L		87	62 - 149	5	30
Benzene	ND		50.0	51.8		ug/L		104	56 - 142	3	30
Bromobenzene	ND		50.0	48.6		ug/L		97	59 - 136	3	30
Bromochloromethane	ND		50.0	55.4		ug/L		111	64 - 140	3	30
Bromodichloromethane	ND		50.0	52.6		ug/L		105	59 - 143	3	30
Bromoform	ND		50.0	49.2		ug/L		98	50 - 140	2	30
Bromomethane	ND	*+ F1	50.0	94.1	F1	ug/L		188	10 - 150	5	50
2-Butanone (MEK)	ND		200	205		ug/L		102	55 - 150	1	30
Carbon disulfide	ND		50.0	52.0		ug/L		104	48 - 150	4	30
Carbon tetrachloride	ND		50.0	51.2		ug/L		102	55 - 145	4	30
Chlorobenzene	ND		50.0	49.9		ug/L		100	64 - 130	0	30
Chloroethane	ND		50.0	59.8		ug/L		120	50 - 150	3	30
2-Chloroethyl vinyl ether	ND		50.0	32.0		ug/L		64	10 - 150	4	50
Chloroform	ND		50.0	53.4		ug/L		107	60 - 141	4	30
1-Chlorohexane	ND		50.0	42.0		ug/L		84	56 - 136	4	30
Chloromethane	ND		50.0	40.1		ug/L		80	49 - 148	10	31
cis-1,2-Dichloroethene	ND		50.0	48.6		ug/L		97	59 - 143	6	30
cis-1,3-Dichloropropene	ND		50.0	50.9		ug/L		102	57 - 140	2	30
Dibromochloromethane	ND		50.0	51.6		ug/L		103	56 - 143	1	30
1,2-Dibromo-3-Chloropropane	ND		50.0	48.8		ug/L		98	45 - 135	8	30
1,2-Dibromoethane (EDB)	ND		50.0	51.3		ug/L		103	64 - 132	2	30
1,2-Dichlorobenzene	ND		50.0	50.9		ug/L		102	52 - 137	0	30
1,3-Dichlorobenzene	ND		50.0	48.0		ug/L		96	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	48.2		ug/L		96	53 - 135	6	30
Dichlorodifluoromethane	ND		50.0	45.1		ug/L		90	16 - 150	4	31
1,1-Dichloroethane	ND		50.0	47.6		ug/L		95	61 - 144	4	30
1,2-Dichloroethane	ND		50.0	49.6		ug/L		99	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	57.0		ug/L		114	54 - 147	9	30
1,2-Dichloropropane	ND		50.0	47.6		ug/L		95	66 - 137	0	30
1,3-Dichloropropane	ND		50.0	51.1		ug/L		102	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	49.0		ug/L		98	42 - 144	5	31
1,1-Dichloropropene	ND		50.0	51.9		ug/L		104	65 - 136	3	30
1,4-Dioxane	ND		1000	1040		ug/L		104	10 - 150	7	50
Ethylbenzene	ND		50.0	49.9		ug/L		100	58 - 131	3	30
Ethyl methacrylate	ND		50.0	51.3		ug/L		103	64 - 130	3	30
Hexachlorobutadiene	ND		50.0	42.9		ug/L		86	31 - 149	14	36
2-Hexanone	ND		200	143		ug/L		72	65 - 140	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281642-A-2 MSD
Matrix: Water
Analysis Batch: 721885

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isopropylbenzene	ND		50.0	47.7		ug/L		95	56 - 133	5	30
Methylene bromide	ND		50.0	54.1		ug/L		108	63 - 138	1	30
Methylene Chloride	ND		50.0	52.0		ug/L		104	60 - 146	5	32
4-Methyl-2-pentanone (MIBK)	ND		200	165		ug/L		83	63 - 146	4	30
Methyl tert-butyl ether	ND		50.0	50.6		ug/L		101	59 - 137	5	30
m-Xylene & p-Xylene	ND		50.0	48.3		ug/L		97	57 - 130	2	30
Naphthalene	ND		50.0	46.4		ug/L		93	25 - 150	1	30
n-Butylbenzene	ND		50.0	48.7		ug/L		97	41 - 142	12	31
N-Propylbenzene	ND		50.0	47.0		ug/L		94	51 - 138	7	30
o-Chlorotoluene	ND		50.0	50.2		ug/L		100	53 - 134	4	30
o-Xylene	ND		50.0	49.1		ug/L		98	61 - 130	1	30
p-Chlorotoluene	ND		50.0	48.2		ug/L		96	54 - 133	4	30
p-Isopropyltoluene	ND		50.0	46.2		ug/L		92	48 - 139	10	30
sec-Butylbenzene	ND		50.0	47.1		ug/L		94	50 - 138	9	30
Styrene	ND		50.0	48.5		ug/L		97	58 - 131	2	30
tert-Butylbenzene	ND		50.0	47.6		ug/L		95	54 - 146	6	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.3		ug/L		101	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.7		ug/L		105	66 - 135	3	30
Tetrachloroethene	ND		50.0	45.6		ug/L		91	52 - 133	1	30
Toluene	ND		50.0	50.1		ug/L		100	65 - 130	0	30
trans-1,2-Dichloroethene	ND		50.0	51.8		ug/L		104	61 - 143	7	30
trans-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	53 - 133	1	30
1,2,3-Trichlorobenzene	ND		50.0	46.9		ug/L		94	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	47.5		ug/L		95	39 - 148	3	30
1,1,1-Trichloroethane	ND		50.0	51.5		ug/L		103	57 - 142	5	30
1,1,2-Trichloroethane	ND		50.0	52.0		ug/L		104	66 - 131	2	30
Trichloroethene	ND		50.0	51.0		ug/L		102	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	59.1		ug/L		118	54 - 150	4	30
1,2,3-Trichloropropane	ND		50.0	51.3		ug/L		103	65 - 133	3	30
1,2,4-Trimethylbenzene	ND		50.0	48.2		ug/L		96	50 - 139	4	30
1,3,5-Trimethylbenzene	ND		50.0	47.3		ug/L		95	52 - 135	6	30
Vinyl acetate	ND		100	99.9		ug/L		100	26 - 150	1	33
Vinyl chloride	ND		50.0	40.0		ug/L		80	46 - 150	1	30
Xylenes, Total	ND		100	97.4		ug/L		97	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-722025/5
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/05/25 12:09	1
Acrolein	ND		20	3.3	ug/L			09/05/25 12:09	1
Acrylonitrile	ND		10	2.8	ug/L			09/05/25 12:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-722025/5
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Bromobenzene	ND		1.0	0.54	ug/L			09/05/25 12:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			09/05/25 12:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Bromoform	ND		5.0	0.25	ug/L			09/05/25 12:09	1
Bromomethane	ND		1.0	0.98	ug/L			09/05/25 12:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/05/25 12:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/05/25 12:09	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/05/25 12:09	1
Chloroethane	ND		1.0	0.76	ug/L			09/05/25 12:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/05/25 12:09	1
Chloroform	ND		1.0	0.90	ug/L			09/05/25 12:09	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/05/25 12:09	1
Chloromethane	ND		1.0	0.40	ug/L			09/05/25 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/05/25 12:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/05/25 12:09	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/05/25 12:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/05/25 12:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/05/25 12:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/05/25 12:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/05/25 12:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/05/25 12:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/05/25 12:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/05/25 12:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 12:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/05/25 12:09	1
1,4-Dioxane	ND		400	26	ug/L			09/05/25 12:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/05/25 12:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/05/25 12:09	1
2-Hexanone	ND		25	4.3	ug/L			09/05/25 12:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/05/25 12:09	1
Methylene bromide	ND		5.0	0.22	ug/L			09/05/25 12:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/05/25 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/05/25 12:09	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/05/25 12:09	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/05/25 12:09	1
Naphthalene	ND		5.0	3.0	ug/L			09/05/25 12:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/05/25 12:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/05/25 12:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/05/25 12:09	1
o-Xylene	ND		5.0	3.0	ug/L			09/05/25 12:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/05/25 12:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/05/25 12:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-722025/5
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/05/25 12:09	1
Styrene	ND		1.0	1.0	ug/L			09/05/25 12:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/05/25 12:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/05/25 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/05/25 12:09	1
Toluene	ND		1.0	0.90	ug/L			09/05/25 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/05/25 12:09	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/05/25 12:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/05/25 12:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/05/25 12:09	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/05/25 12:09	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/05/25 12:09	1
Trichloroethene	ND		1.0	0.15	ug/L			09/05/25 12:09	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/05/25 12:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/05/25 12:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/05/25 12:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/05/25 12:09	1
Vinyl acetate	ND		25	0.93	ug/L			09/05/25 12:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			09/05/25 12:09	1
Xylenes, Total	ND		10	6.0	ug/L			09/05/25 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*09/05/25 12:09*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*09/05/25 12:09*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/05/25 12:09*	*1*

Lab Sample ID: LCS 400-722025/1002
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	335	*+	ug/L		167	43 - 150
Acrolein	500	453		ug/L		91	38 - 150
Acrylonitrile	500	447		ug/L		89	64 - 142
Benzene	50.0	50.7		ug/L		101	70 - 130
Bromobenzene	50.0	53.2		ug/L		106	70 - 132
Bromochloromethane	50.0	54.3		ug/L		109	70 - 130
Bromodichloromethane	50.0	51.9		ug/L		104	67 - 133
Bromoform	50.0	49.3		ug/L		99	57 - 140
Bromomethane	50.0	83.3	*+	ug/L		167	10 - 150
2-Butanone (MEK)	200	237		ug/L		119	61 - 145
Carbon disulfide	50.0	53.0		ug/L		106	61 - 137
Carbon tetrachloride	50.0	50.1		ug/L		100	61 - 137
Chlorobenzene	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	53.7		ug/L		107	55 - 141
2-Chloroethyl vinyl ether	50.0	31.2		ug/L		62	10 - 150
Chloroform	50.0	52.4		ug/L		105	69 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-722025/1002
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Chlorohexane	50.0	48.9		ug/L		98	69 - 130
Chloromethane	50.0	36.1		ug/L		72	58 - 137
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	68 - 130
cis-1,3-Dichloropropene	50.0	50.5		ug/L		101	69 - 132
Dibromochloromethane	50.0	51.8		ug/L		104	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/L		99	54 - 135
1,2-Dibromoethane (EDB)	50.0	52.1		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	56.3		ug/L		113	67 - 130
1,3-Dichlorobenzene	50.0	55.7		ug/L		111	70 - 130
1,4-Dichlorobenzene	50.0	55.5		ug/L		111	70 - 130
Dichlorodifluoromethane	50.0	39.5		ug/L		79	41 - 146
1,1-Dichloroethane	50.0	46.1		ug/L		92	70 - 130
1,2-Dichloroethane	50.0	48.7		ug/L		97	69 - 130
1,1-Dichloroethene	50.0	53.1		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	47.6		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	48.1		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	51.0		ug/L		102	70 - 130
1,4-Dioxane	1000	1090		ug/L		109	50 - 150
Ethylbenzene	50.0	54.5		ug/L		109	70 - 130
Ethyl methacrylate	50.0	50.4		ug/L		101	68 - 130
Hexachlorobutadiene	50.0	62.5		ug/L		125	53 - 140
2-Hexanone	200	178		ug/L		89	65 - 137
Isopropylbenzene	50.0	56.0		ug/L		112	70 - 130
Methylene bromide	50.0	54.4		ug/L		109	70 - 130
Methylene Chloride	50.0	52.6		ug/L		105	66 - 135
4-Methyl-2-pentanone (MIBK)	200	182		ug/L		91	69 - 138
Methyl tert-butyl ether	50.0	49.9		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	53.8		ug/L		108	70 - 130
Naphthalene	50.0	49.7		ug/L		99	47 - 149
n-Butylbenzene	50.0	65.5	*+	ug/L		131	67 - 130
N-Propylbenzene	50.0	56.2		ug/L		112	70 - 130
o-Chlorotoluene	50.0	56.3		ug/L		113	70 - 130
o-Xylene	50.0	54.3		ug/L		109	70 - 130
p-Chlorotoluene	50.0	55.4		ug/L		111	70 - 130
p-Isopropyltoluene	50.0	59.6		ug/L		119	65 - 130
sec-Butylbenzene	50.0	59.6		ug/L		119	66 - 130
Styrene	50.0	53.4		ug/L		107	70 - 130
tert-Butylbenzene	50.0	56.7		ug/L		113	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.6		ug/L		105	70 - 131
Tetrachloroethene	50.0	49.8		ug/L		100	65 - 130
Toluene	50.0	50.7		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	50.7		ug/L		101	63 - 130
1,2,3-Trichlorobenzene	50.0	53.2		ug/L		106	60 - 138
1,2,4-Trichlorobenzene	50.0	55.4		ug/L		111	60 - 140
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	50.6		ug/L		101	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-722025/1002
Matrix: Water
Analysis Batch: 722025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	50.0	50.3		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	54.6		ug/L		109	65 - 138
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	50.0	56.3		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	50.0	56.2		ug/L		112	69 - 130
Vinyl acetate	100	92.3		ug/L		92	26 - 150
Vinyl chloride	50.0	36.8		ug/L		74	59 - 136
Xylenes, Total	100	108		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*106*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-281568-6 MS
Matrix: Water
Analysis Batch: 722025

Client Sample ID: W-91-082725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	*+	4000	2320		ug/L		58	43 - 150
Acrolein	ND		10000	8320		ug/L		83	38 - 150
Acrylonitrile	ND		10000	7970		ug/L		80	62 - 149
Benzene	910		1000	1960		ug/L		105	56 - 142
Bromobenzene	ND		1000	1060		ug/L		106	59 - 136
Bromochloromethane	ND		1000	1050		ug/L		105	64 - 140
Bromodichloromethane	ND		1000	1000		ug/L		100	59 - 143
Bromoform	ND		1000	932		ug/L		93	50 - 140
Bromomethane	ND	F1 *+	1000	1590	F1	ug/L		159	10 - 150
2-Butanone (MEK)	ND		4000	2510		ug/L		63	55 - 150
Carbon disulfide	ND		1000	997		ug/L		100	48 - 150
Carbon tetrachloride	ND		1000	1010		ug/L		101	55 - 145
Chlorobenzene	ND		1000	1080		ug/L		108	64 - 130
Chloroethane	ND		1000	1200		ug/L		120	50 - 150
2-Chloroethyl vinyl ether	ND		1000	457		ug/L		46	10 - 150
Chloroform	ND		1000	1030		ug/L		103	60 - 141
1-Chlorohexane	ND		1000	975		ug/L		97	56 - 136
Chloromethane	ND		1000	736		ug/L		74	49 - 148
cis-1,2-Dichloroethene	ND		1000	934		ug/L		93	59 - 143
cis-1,3-Dichloropropene	ND		1000	986		ug/L		99	57 - 140
Dibromochloromethane	ND		1000	1010		ug/L		101	56 - 143
1,2-Dibromo-3-Chloropropane	ND		1000	903		ug/L		90	45 - 135
1,2-Dibromoethane (EDB)	ND		1000	994		ug/L		99	64 - 132
1,2-Dichlorobenzene	ND		1000	1130		ug/L		113	52 - 137
1,3-Dichlorobenzene	ND		1000	1140		ug/L		114	54 - 135
1,4-Dichlorobenzene	ND		1000	1150		ug/L		115	53 - 135
Dichlorodifluoromethane	ND		1000	810		ug/L		81	16 - 150
1,1-Dichloroethane	ND		1000	920		ug/L		92	61 - 144
1,2-Dichloroethane	ND		1000	969		ug/L		97	60 - 141

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281568-6 MS
Matrix: Water
Analysis Batch: 722025

Client Sample ID: W-91-082725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		1000	1080		ug/L		108	54 - 147
1,2-Dichloropropane	ND		1000	955		ug/L		96	66 - 137
1,3-Dichloropropane	ND		1000	998		ug/L		100	66 - 133
2,2-Dichloropropane	ND		1000	933		ug/L		93	42 - 144
1,1-Dichloropropene	ND		1000	1030		ug/L		103	65 - 136
1,4-Dioxane	ND		20000	18800		ug/L		94	10 - 150
Ethylbenzene	140		1000	1270		ug/L		112	58 - 131
Ethyl methacrylate	ND		1000	925		ug/L		93	64 - 130
Hexachlorobutadiene	ND		1000	1210		ug/L		121	31 - 149
2-Hexanone	ND	F1	4000	2040	F1	ug/L		51	65 - 140
Isopropylbenzene	18	J	1000	1150		ug/L		113	56 - 133
Methylene bromide	ND		1000	1040		ug/L		104	63 - 138
Methylene Chloride	ND		1000	1000		ug/L		100	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		4000	3050		ug/L		76	63 - 146
Methyl tert-butyl ether	ND		1000	936		ug/L		94	59 - 137
m-Xylene & p-Xylene	550		1000	1660		ug/L		111	57 - 130
Naphthalene	ND		1000	937		ug/L		94	25 - 150
n-Butylbenzene	26	*+	1000	1370		ug/L		134	41 - 142
N-Propylbenzene	61		1000	1230		ug/L		117	51 - 138
o-Chlorotoluene	ND		1000	1210		ug/L		121	53 - 134
o-Xylene	220		1000	1320		ug/L		110	61 - 130
p-Chlorotoluene	ND		1000	1150		ug/L		115	54 - 133
p-Isopropyltoluene	ND		1000	1240		ug/L		124	48 - 139
sec-Butylbenzene	ND		1000	1230		ug/L		123	50 - 138
Styrene	ND		1000	1080		ug/L		108	58 - 131
tert-Butylbenzene	ND		1000	1170		ug/L		117	54 - 146
1,1,1,2-Tetrachloroethane	ND		1000	1020		ug/L		102	59 - 137
1,1,2,2-Tetrachloroethane	ND		1000	1010		ug/L		101	66 - 135
Tetrachloroethene	ND		1000	960		ug/L		96	52 - 133
Toluene	2600		1000	3680		ug/L		111	65 - 130
trans-1,2-Dichloroethene	ND		1000	1000		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		1000	975		ug/L		97	53 - 133
1,2,3-Trichlorobenzene	ND		1000	1000		ug/L		100	43 - 145
1,2,4-Trichlorobenzene	ND		1000	1080		ug/L		108	39 - 148
1,1,1-Trichloroethane	ND		1000	994		ug/L		99	57 - 142
1,1,2-Trichloroethane	ND		1000	1020		ug/L		102	66 - 131
Trichloroethene	ND		1000	1020		ug/L		102	64 - 136
Trichlorofluoromethane	ND		1000	1150		ug/L		115	54 - 150
1,2,3-Trichloropropane	ND		1000	967		ug/L		97	65 - 133
1,2,4-Trimethylbenzene	200		1000	1380		ug/L		117	50 - 139
1,3,5-Trimethylbenzene	77		1000	1220		ug/L		115	52 - 135
Vinyl acetate	ND		2000	1880		ug/L		94	26 - 150
Vinyl chloride	ND		1000	759		ug/L		76	46 - 150
Xylenes, Total	770		2000	2970		ug/L		110	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281568-6 MS
Matrix: Water
Analysis Batch: 722025

Client Sample ID: W-91-082725
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-281568-6 MSD
Matrix: Water
Analysis Batch: 722025

Client Sample ID: W-91-082725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	*+	4000	2510		ug/L		63	43 - 150	8	30
Acrolein	ND		10000	8860		ug/L		89	38 - 150	6	31
Acrylonitrile	ND		10000	8040		ug/L		80	62 - 149	1	30
Benzene	910		1000	1920		ug/L		101	56 - 142	2	30
Bromobenzene	ND		1000	1040		ug/L		104	59 - 136	2	30
Bromochloromethane	ND		1000	1040		ug/L		104	64 - 140	1	30
Bromodichloromethane	ND		1000	1010		ug/L		101	59 - 143	1	30
Bromoform	ND		1000	922		ug/L		92	50 - 140	1	30
Bromomethane	ND	F1 *+	1000	1540	F1	ug/L		154	10 - 150	3	50
2-Butanone (MEK)	ND		4000	2560		ug/L		64	55 - 150	2	30
Carbon disulfide	ND		1000	973		ug/L		97	48 - 150	2	30
Carbon tetrachloride	ND		1000	983		ug/L		98	55 - 145	3	30
Chlorobenzene	ND		1000	1040		ug/L		104	64 - 130	4	30
Chloroethane	ND		1000	1130		ug/L		113	50 - 150	6	30
2-Chloroethyl vinyl ether	ND		1000	413		ug/L		41	10 - 150	10	50
Chloroform	ND		1000	1020		ug/L		102	60 - 141	1	30
1-Chlorohexane	ND		1000	958		ug/L		96	56 - 136	2	30
Chloromethane	ND		1000	738		ug/L		74	49 - 148	0	31
cis-1,2-Dichloroethene	ND		1000	914		ug/L		91	59 - 143	2	30
cis-1,3-Dichloropropene	ND		1000	975		ug/L		98	57 - 140	1	30
Dibromochloromethane	ND		1000	984		ug/L		98	56 - 143	3	30
1,2-Dibromo-3-Chloropropane	ND		1000	903		ug/L		90	45 - 135	0	30
1,2-Dibromoethane (EDB)	ND		1000	996		ug/L		100	64 - 132	0	30
1,2-Dichlorobenzene	ND		1000	1120		ug/L		112	52 - 137	1	30
1,3-Dichlorobenzene	ND		1000	1090		ug/L		109	54 - 135	4	30
1,4-Dichlorobenzene	ND		1000	1110		ug/L		111	53 - 135	3	30
Dichlorodifluoromethane	ND		1000	815		ug/L		81	16 - 150	1	31
1,1-Dichloroethane	ND		1000	912		ug/L		91	61 - 144	1	30
1,2-Dichloroethane	ND		1000	985		ug/L		98	60 - 141	2	30
1,1-Dichloroethene	ND		1000	1060		ug/L		106	54 - 147	2	30
1,2-Dichloropropane	ND		1000	957		ug/L		96	66 - 137	0	30
1,3-Dichloropropane	ND		1000	995		ug/L		99	66 - 133	0	30
2,2-Dichloropropane	ND		1000	909		ug/L		91	42 - 144	3	31
1,1-Dichloropropene	ND		1000	1000		ug/L		100	65 - 136	3	30
1,4-Dioxane	ND		20000	19500		ug/L		98	10 - 150	4	50
Ethylbenzene	140		1000	1230		ug/L		109	58 - 131	3	30
Ethyl methacrylate	ND		1000	977		ug/L		98	64 - 130	5	30
Hexachlorobutadiene	ND		1000	1200		ug/L		120	31 - 149	1	36
2-Hexanone	ND	F1	4000	2090	F1	ug/L		52	65 - 140	3	30
Isopropylbenzene	18	J	1000	1120		ug/L		111	56 - 133	2	30
Methylene bromide	ND		1000	1030		ug/L		103	63 - 138	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-281568-6 MSD
Matrix: Water
Analysis Batch: 722025

Client Sample ID: W-91-082725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		1000	990		ug/L		99	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		4000	3050		ug/L		76	63 - 146	0	30
Methyl tert-butyl ether	ND		1000	941		ug/L		94	59 - 137	0	30
m-Xylene & p-Xylene	550		1000	1640		ug/L		109	57 - 130	1	30
Naphthalene	ND		1000	964		ug/L		96	25 - 150	3	30
n-Butylbenzene	26	*+	1000	1320		ug/L		129	41 - 142	4	31
N-Propylbenzene	61		1000	1200		ug/L		114	51 - 138	3	30
o-Chlorotoluene	ND		1000	1160		ug/L		116	53 - 134	4	30
o-Xylene	220		1000	1300		ug/L		108	61 - 130	1	30
p-Chlorotoluene	ND		1000	1110		ug/L		111	54 - 133	4	30
p-Isopropyltoluene	ND		1000	1190		ug/L		119	48 - 139	4	30
sec-Butylbenzene	ND		1000	1200		ug/L		120	50 - 138	3	30
Styrene	ND		1000	1050		ug/L		105	58 - 131	2	30
tert-Butylbenzene	ND		1000	1130		ug/L		113	54 - 146	3	30
1,1,1,2-Tetrachloroethane	ND		1000	1020		ug/L		102	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		1000	1020		ug/L		102	66 - 135	0	30
Tetrachloroethene	ND		1000	954		ug/L		95	52 - 133	1	30
Toluene	2600		1000	3670		ug/L		111	65 - 130	0	30
trans-1,2-Dichloroethene	ND		1000	981		ug/L		98	61 - 143	2	30
trans-1,3-Dichloropropene	ND		1000	970		ug/L		97	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		1000	1020		ug/L		102	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		1000	1070		ug/L		107	39 - 148	1	30
1,1,1-Trichloroethane	ND		1000	962		ug/L		96	57 - 142	3	30
1,1,2-Trichloroethane	ND		1000	1020		ug/L		102	66 - 131	1	30
Trichloroethene	ND		1000	1010		ug/L		101	64 - 136	1	30
Trichlorofluoromethane	ND		1000	1010		ug/L		101	54 - 150	13	30
1,2,3-Trichloropropane	ND		1000	965		ug/L		96	65 - 133	0	30
1,2,4-Trimethylbenzene	200		1000	1350		ug/L		114	50 - 139	2	30
1,3,5-Trimethylbenzene	77		1000	1190		ug/L		111	52 - 135	3	30
Vinyl acetate	ND		2000	1860		ug/L		93	26 - 150	1	33
Vinyl chloride	ND		1000	764		ug/L		76	46 - 150	1	30
Xylenes, Total	770		2000	2940		ug/L		109	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: MB 400-722203/5
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			09/08/25 11:43	1
Acrolein	ND		20	3.3	ug/L			09/08/25 11:43	1
Acrylonitrile	ND		10	2.8	ug/L			09/08/25 11:43	1
Benzene	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Bromobenzene	ND		1.0	0.54	ug/L			09/08/25 11:43	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-722203/5
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		1.0	0.52	ug/L			09/08/25 11:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Bromoform	ND		5.0	0.25	ug/L			09/08/25 11:43	1
Bromomethane	ND		1.0	0.98	ug/L			09/08/25 11:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			09/08/25 11:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			09/08/25 11:43	1
Chlorobenzene	ND		1.0	0.42	ug/L			09/08/25 11:43	1
Chloroethane	ND		1.0	0.76	ug/L			09/08/25 11:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			09/08/25 11:43	1
Chloroform	ND		1.0	0.90	ug/L			09/08/25 11:43	1
1-Chlorohexane	ND		1.0	0.32	ug/L			09/08/25 11:43	1
Chloromethane	ND		1.0	0.40	ug/L			09/08/25 11:43	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/08/25 11:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			09/08/25 11:43	1
Dibromochloromethane	ND		1.0	0.24	ug/L			09/08/25 11:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			09/08/25 11:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			09/08/25 11:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			09/08/25 11:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			09/08/25 11:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			09/08/25 11:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			09/08/25 11:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			09/08/25 11:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			09/08/25 11:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			09/08/25 11:43	1
1,4-Dioxane	ND		400	26	ug/L			09/08/25 11:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			09/08/25 11:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			09/08/25 11:43	1
2-Hexanone	ND		25	4.3	ug/L			09/08/25 11:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			09/08/25 11:43	1
Methylene bromide	ND		5.0	0.22	ug/L			09/08/25 11:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			09/08/25 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			09/08/25 11:43	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			09/08/25 11:43	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/08/25 11:43	1
Naphthalene	ND		5.0	3.0	ug/L			09/08/25 11:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/08/25 11:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/08/25 11:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			09/08/25 11:43	1
o-Xylene	ND		5.0	3.0	ug/L			09/08/25 11:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			09/08/25 11:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			09/08/25 11:43	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			09/08/25 11:43	1
Styrene	ND		1.0	1.0	ug/L			09/08/25 11:43	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-722203/5
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.63	ug/L			09/08/25 11:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			09/08/25 11:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Tetrachloroethene	ND		1.0	0.33	ug/L			09/08/25 11:43	1
Toluene	ND		1.0	0.90	ug/L			09/08/25 11:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			09/08/25 11:43	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			09/08/25 11:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			09/08/25 11:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			09/08/25 11:43	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			09/08/25 11:43	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			09/08/25 11:43	1
Trichloroethene	ND		1.0	0.15	ug/L			09/08/25 11:43	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			09/08/25 11:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			09/08/25 11:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			09/08/25 11:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			09/08/25 11:43	1
Vinyl acetate	ND		25	0.93	ug/L			09/08/25 11:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			09/08/25 11:43	1
Xylenes, Total	ND		10	6.0	ug/L			09/08/25 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*09/08/25 11:43*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*09/08/25 11:43*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*09/08/25 11:43*	*1*

Lab Sample ID: LCS 400-722203/1002
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	213		ug/L		106	43 - 150
Acrolein	200	262		ug/L		131	38 - 150
Acrylonitrile	500	476		ug/L		95	64 - 142
Benzene	50.0	45.4		ug/L		91	70 - 130
Bromobenzene	50.0	41.5		ug/L		83	70 - 132
Bromochloromethane	50.0	44.5		ug/L		89	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	45.9		ug/L		92	57 - 140
Bromomethane	20.0	39.2	*+	ug/L		196	10 - 150
2-Butanone (MEK)	200	181		ug/L		90	61 - 145
Carbon disulfide	50.0	42.4		ug/L		85	61 - 137
Carbon tetrachloride	50.0	50.0		ug/L		100	61 - 137
Chlorobenzene	50.0	43.5		ug/L		87	70 - 130
Chloroethane	20.0	30.8	*+	ug/L		154	55 - 141
2-Chloroethyl vinyl ether	20.0	18.4		ug/L		92	10 - 150
Chloroform	50.0	48.5		ug/L		97	69 - 130
1-Chlorohexane	50.0	56.8		ug/L		114	69 - 130
Chloromethane	20.0	23.7		ug/L		119	58 - 137

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-722203/1002
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	48.5		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	51.3		ug/L		103	69 - 132
Dibromochloromethane	50.0	49.6		ug/L		99	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	39.4		ug/L		79	54 - 135
1,2-Dibromoethane (EDB)	50.0	48.7		ug/L		97	70 - 130
1,2-Dichlorobenzene	50.0	42.4		ug/L		85	67 - 130
1,3-Dichlorobenzene	50.0	41.3		ug/L		83	70 - 130
1,4-Dichlorobenzene	50.0	41.3		ug/L		83	70 - 130
Dichlorodifluoromethane	20.0	19.5		ug/L		98	41 - 146
1,1-Dichloroethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	57.9		ug/L		116	69 - 130
1,1-Dichloroethene	50.0	39.3		ug/L		79	63 - 134
1,2-Dichloropropane	50.0	50.7		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	55.3		ug/L		111	52 - 135
1,1-Dichloropropene	50.0	46.2		ug/L		92	70 - 130
1,4-Dioxane	1000	710		ug/L		71	50 - 150
Ethylbenzene	50.0	44.4		ug/L		89	70 - 130
Ethyl methacrylate	50.0	51.0		ug/L		102	68 - 130
Hexachlorobutadiene	50.0	42.5		ug/L		85	53 - 140
2-Hexanone	200	208		ug/L		104	65 - 137
Isopropylbenzene	50.0	43.9		ug/L		88	70 - 130
Methylene bromide	50.0	51.7		ug/L		103	70 - 130
Methylene Chloride	50.0	43.6		ug/L		87	66 - 135
4-Methyl-2-pentanone (MIBK)	200	229		ug/L		115	69 - 138
Methyl tert-butyl ether	50.0	53.9		ug/L		108	66 - 130
m-Xylene & p-Xylene	50.0	45.0		ug/L		90	70 - 130
Naphthalene	50.0	46.6		ug/L		93	47 - 149
n-Butylbenzene	50.0	47.0		ug/L		94	67 - 130
N-Propylbenzene	50.0	40.9		ug/L		82	70 - 130
o-Chlorotoluene	50.0	44.3		ug/L		89	70 - 130
o-Xylene	50.0	45.4		ug/L		91	70 - 130
p-Chlorotoluene	50.0	43.7		ug/L		87	70 - 130
p-Isopropyltoluene	50.0	42.6		ug/L		85	65 - 130
sec-Butylbenzene	50.0	42.0		ug/L		84	66 - 130
Styrene	50.0	43.8		ug/L		88	70 - 130
tert-Butylbenzene	50.0	45.5		ug/L		91	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.4		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.8		ug/L		90	70 - 131
Tetrachloroethene	50.0	44.9		ug/L		90	65 - 130
Toluene	50.0	41.7		ug/L		83	70 - 130
trans-1,2-Dichloroethene	50.0	42.9		ug/L		86	70 - 130
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	63 - 130
1,2,3-Trichlorobenzene	50.0	45.2		ug/L		90	60 - 138
1,2,4-Trichlorobenzene	50.0	44.5		ug/L		89	60 - 140
1,1,1-Trichloroethane	50.0	49.4		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	70 - 130
Trichloroethene	50.0	43.5		ug/L		87	70 - 130
Trichlorofluoromethane	20.0	28.8	*+	ug/L		144	65 - 138

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-722203/1002
Matrix: Water
Analysis Batch: 722203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	44.1		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	50.0	42.7		ug/L		85	70 - 130
1,3,5-Trimethylbenzene	50.0	42.0		ug/L		84	69 - 130
Vinyl acetate	40.0	61.1	*+	ug/L		153	26 - 150
Vinyl chloride	20.0	28.0	*+	ug/L		140	59 - 136
Xylenes, Total	100	90.4		ug/L		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-281568-6 MS
Matrix: Water
Analysis Batch: 722203

Client Sample ID: W-91-082725
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-281568-6 MSD
Matrix: Water
Analysis Batch: 722203

Client Sample ID: W-91-082725
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*106*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-722391/5
Matrix: Water
Analysis Batch: 722391

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			09/09/25 11:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			09/09/25 11:01	1
o-Xylene	ND		5.0	3.0	ug/L			09/09/25 11:01	1
Toluene	ND		1.0	0.90	ug/L			09/09/25 11:01	1
Xylenes, Total	ND		10	6.0	ug/L			09/09/25 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*09/09/25 11:01*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*09/09/25 11:01*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*09/09/25 11:01*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-722391/1002
Matrix: Water
Analysis Batch: 722391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	47.0		ug/L		94	70 - 130		
n-Butylbenzene			50.0	53.2		ug/L		106	67 - 130		
o-Xylene			50.0	48.3		ug/L		97	70 - 130		
Toluene			50.0	43.8		ug/L		88	70 - 130		
Xylenes, Total			100	95.3		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 705-41830-A-1 MS
Matrix: Water
Analysis Batch: 722391

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene	ND		50.0	44.1		ug/L		88	57 - 130		
n-Butylbenzene	ND		50.0	43.7		ug/L		87	41 - 142		
o-Xylene	ND		50.0	45.4		ug/L		91	61 - 130		
Toluene	ND		50.0	43.2		ug/L		86	65 - 130		
Xylenes, Total	ND		100	89.4		ug/L		89	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 705-41830-A-1 MSD
Matrix: Water
Analysis Batch: 722391

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	ND		50.0	42.8		ug/L		86	57 - 130	3	30
n-Butylbenzene	ND		50.0	44.1		ug/L		88	41 - 142	1	31
o-Xylene	ND		50.0	43.5		ug/L		87	61 - 130	4	30
Toluene	ND		50.0	41.0		ug/L		82	65 - 130	5	30
Xylenes, Total	ND		100	86.4		ug/L		86	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Chronicle

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: TB-WW-082725
Lab Sample ID: 400-281568-1
Date Collected: 08/27/25 00:00
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 14:56	BPO	EET PEN

Client Sample ID: W-81-082715
Lab Sample ID: 400-281568-2
Date Collected: 08/27/25 10:00
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 19:27	BPO	EET PEN

Client Sample ID: W-68-082725
Lab Sample ID: 400-281568-3
Date Collected: 08/27/25 10:12
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 19:54	BPO	EET PEN

Client Sample ID: W-90-082725
Lab Sample ID: 400-281568-4
Date Collected: 08/27/25 10:25
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 20:21	BPO	EET PEN

Client Sample ID: W-90-082725-DUP
Lab Sample ID: 400-281568-5
Date Collected: 08/27/25 10:25
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 20:48	BPO	EET PEN

Client Sample ID: W-91-082725
Lab Sample ID: 400-281568-6
Date Collected: 08/27/25 10:43
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 13:03	BPO	EET PEN
Total/NA	Analysis	8260D		20	5 mL	5 mL	722203	09/08/25 12:25	BPO	EET PEN

Client Sample ID: W-39-082725
Lab Sample ID: 400-281568-7
Date Collected: 08/27/25 11:15
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722025	09/05/25 16:13	BPO	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-39-082725-DUP
Lab Sample ID: 400-281568-8
Date Collected: 08/27/25 11:15
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722025	09/05/25 16:40	BPO	EET PEN

Client Sample ID: W-87-082725
Lab Sample ID: 400-281568-9
Date Collected: 08/27/25 11:40
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 13:30	BPO	EET PEN
Total/NA	Analysis	8260D	DL	50	5 mL	5 mL	722391	09/09/25 12:27	BPO	EET PEN

Client Sample ID: W-86-082725
Lab Sample ID: 400-281568-10
Date Collected: 08/27/25 12:00
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 18:29	BPO	EET PEN

Client Sample ID: W-72-082725
Lab Sample ID: 400-281568-12
Date Collected: 08/27/25 12:55
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	722025	09/05/25 17:34	BPO	EET PEN

Client Sample ID: W-70-082725
Lab Sample ID: 400-281568-13
Date Collected: 08/27/25 12:15
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	722203	09/08/25 18:18	BPO	EET PEN

Client Sample ID: W-79-082725
Lab Sample ID: 400-281568-14
Date Collected: 08/27/25 13:30
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	722025	09/05/25 20:44	BPO	EET PEN

Client Sample ID: W-69-082725
Lab Sample ID: 400-281568-15
Date Collected: 08/27/25 12:40
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	722025	09/05/25 21:11	BPO	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: W-77-082725
Date Collected: 08/27/25 13:50
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722025	09/05/25 17:07	BPO	EET PEN

Client Sample ID: W-92-082725
Date Collected: 08/27/25 14:10
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 19:23	BPO	EET PEN

Client Sample ID: W-89-082725
Date Collected: 08/27/25 13:05
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	722025	09/05/25 18:01	BPO	EET PEN

Client Sample ID: W-80-082725
Date Collected: 08/27/25 13:20
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	5 mL	5 mL	722025	09/05/25 19:50	BPO	EET PEN

Client Sample ID: W-88-082725
Date Collected: 08/27/25 12:25
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	5 mL	5 mL	722025	09/05/25 20:17	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-721885/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 10:53	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-722025/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722025	09/05/25 12:09	BPO	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-722203/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722203	09/08/25 11:43	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-722391/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722391	09/09/25 11:01	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-721885/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 09:48	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-722025/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722025	09/05/25 11:02	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-722203/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722203	09/08/25 10:49	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-722391/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722391	09/09/25 10:02	BPO	EET PEN

Client Sample ID: W-91-082725
Date Collected: 08/27/25 10:43
Date Received: 08/28/25 09:07

Lab Sample ID: 400-281568-6 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 14:52	BPO	EET PEN
Total/NA	Analysis	8260D		20	5 mL	5 mL	722203	09/08/25 14:09	BPO	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-281568-1
Project/Site: WRR WATER WELLS

Client Sample ID: W-91-082725
Lab Sample ID: 400-281568-6 MSD
Date Collected: 08/27/25 10:43
Matrix: Water
Date Received: 08/28/25 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	722025	09/05/25 15:19	BPO	EET PEN
Total/NA	Analysis	8260D		20	5 mL	5 mL	722203	09/08/25 14:30	BPO	EET PEN

Client Sample ID: Matrix Spike
Lab Sample ID: 400-281642-A-2 MS
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 13:07	BPO	EET PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 400-281642-A-2 MSD
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	721885	09/04/25 13:34	BPO	EET PEN

Client Sample ID: Matrix Spike
Lab Sample ID: 705-41830-A-1 MS
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722391	09/09/25 13:50	BPO	EET PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 705-41830-A-1 MSD
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722391	09/09/25 14:11	BPO	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-281568-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-281568-1
Project/Site: WRR WATER WELLS

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200041	10-31-26

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
- [ ] ACCUTEST (_____)
- [ ] CALSCIENCE (_____)
- [x] TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- [ ] Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
- [ ] S/W FDG
- [ ] PIPELINE
- [ ] RETAIL
- [ ] CHEMICALS
- [ ] CONSULTANT
- [ ] LUBES
- [ ] TRANSPORTATION
- [ ] OTHER _ENV. SERVICES_____

Print Bill To Contact Name	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Joe Mayer	25278	DATE: 8/27/2025
PO #	GSAP Project ID	PAGE: __1__ of __1__
60738191 – 6.2.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	WRR Water Well Sampling 60738191 – 6.2.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N. Broadway, 20th Floor ST LOUIS, MO 63102, USA	Joe Mayer Wendy Pennington please see special instructions	636-368-9631 314-802-1122	joe.mayer@aecom.com; wendy.pennington@aecom.com	

PROJECT CONTACT (Hardcopy or PDF Report to): Wendy Pennington, Joe Mayer

SAMPLER NAME(S) (Print): S.MCLEAN, T.JENKINS

TELEPHONE:	FAX:	Bill To Contact E-MAIL
314-429-0100	314-429-0462	wendy.pennington@aecom.com; joe.mayer@aecom.com

TURNAROUND TIME (CALENDAR DAYS): [x] STANDARD (14 DAY) [ ] 5 DAYS [ ] 3 DAYS [ ] 2 DAYS [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: [ ] LEVEL 1 [x] LEVEL 2 [ ] LEVEL 3 [x] LEVEL 4 [x] OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES
* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuIS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 6.2.2

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260
	TB-WW-082725	8/27/2025	0000	Water	2					2	X
	W-81-082715	8/27/2025	1000	Water	3					3	x
	W-68-082725	8/27/2025	1012	Water	3					3	x
	W-90-082725	8/27/2025	1025	Water	3					3	x
	W-90-082725-DUP	8/27/2025	1025	Water	3					3	X
	W-91-082725	8/27/2025	1043	Water	3					3	X
	W-91-082725-MS	8/27/2025	1043	Water	3					3	X
	W-91-082725-MSD	8/27/2025	1043	Water	3					3	X
	W-39-082725	8/27/2025	1115	Water	3					3	X
	W-39-082725-DUP	8/27/2025	1115	Water	3					3	X
	W-87-082725	8/27/2025	1140	Water	3					3	X
	W-86-082725	8/27/2025	1200	Water	3					3	X
	~~W-88-082725~~	8/27/2025	1012	Water	3					3	X
	W-72-082725	8/27/2025	1255	Water	3					3	X
	W-70-082725	8/27/2025	1215	Water	3					3	X
	W-79-082725	8/27/2025	1330	Water	3					3	X
	W-69-082725	8/27/2025	1240	Water	3					3	X
	W-77-082725	8/27/2025	1350	Water	3					3	X
	W-92-082725	8/27/2025	1410	Water	3					3	X
	W-89-082725	8/27/2025	1305	Water	3					3	X
	W-80-082725	8/27/2025	1320	Water	3					3	X
	W-88-082725	8/27/2025	1225	Water	3					3	X

Container PID Readings or Laboratory Notes:

FIELD NOTES:

400-281568 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9607 7765	8/27/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	VM2 (EETS) 0.0°C/IR11	8/28/25	0907
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 2797919, 2797918

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-281568-1

Login Number: 281568
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	#3 AND #15 ARE SAME SAMPLE INFO, ONLY ONE SET REC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Laboratory Report Reviewed: 400-287372-1

Site Name: Wood River Refinery

Prepared By and Date: Sachin S 01/20/2026

Event Reviewed: 4Q2025 WRR Water Well

Reviewed By and Date: Delaine Austin 01/23/2026

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			The cooler receipt form did not indicate any problems.
Holding Times	Analyses were performed within holding time.	X			
Three of 73 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.					
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
W-91-121025 MS/MSD	VOCs	Acetone	**33**/**35**	5	43-150/30
W-91-121025 MS/MSD	VOCs	Bromobenzene	**229**/115	**67**	59-136/30
W-91-121025 MS/MSD	VOCs	2-Butanone (MEK)	**51**/**54**	4	55-150/30
W-91-121025 MS/MSD	VOCs	2-Hexanone	**63**/**64**	2	65-140/30
W-91-121025 MS/MSD	VOCs	m-Xylene & p-Xylene	**49**/64	6	57-130/30
W-91-121025 MS/MSD	VOCs	Toluene	**15**/**35**	5	65-130/30
W-77-121125 MS/MSD	VOCs	Acetone	**39**/**44**	13	43-150/30
W-77-121125 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0**/**0**	NC	10-150/50

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
W-91-121025	VOCs	Acetone	**UJ**
W-91-121025	VOCs	2-Butanone (MEK)	**UJ**
W-91-121025	VOCs	2-Hexanone	**UJ**

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
W-91-121025	VOCs	m-Xylene & p-Xylene			**J**
W-91-121025	VOCs	Toluene			**J**
W-77-121125	VOCs	Acetone			**UJ**
W-77-121125	VOCs	2-Chloroethyl vinyl ether			**UJ**
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated, and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 12/23/2025 3:55:46 PM

JOB DESCRIPTION

WRR WATER WELLS

JOB NUMBER

400-287372-1

Reviewed By: SS 01/20/2026

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
12/23/2025 3:55:46 PM

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Designee for
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(615)301-5038

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Job Narrative
400-287372-1

Receipt
The samples were received on 12/12/2025 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-734197 recovered above the upper control limit for Hexachlorobutadiene and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-734197/2).

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: W-91-121025 (400-287372-2). Elevated reporting limits (RLs) are provided.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-734197 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-734197 was outside control limits. Sample matrix interference is suspected.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-72-121025 (400-287372-7), W-89-121025 (400-287372-8) and W-69-121025 (400-287372-9). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : TB-WW-121025 (400-287372-1), W-91-121025 (400-287372-2), W-90-121025 (400-287372-3), W-90-121025-DUP (400-287372-4), W-39-121025 (400-287372-5), W-39-121025-DUP (400-287372-6), W-72-121025 (400-287372-7), W-89-121025 (400-287372-8), W-69-121025 (400-287372-9) and TB-WW-121125 (400-287372-10). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-90-121025 (400-287372-3), W-90-121025-DUP (400-287372-4), W-87-121125 (400-287372-11), W-78-121125 (400-287372-13), W-80-121125 (400-287372-14), W-88-121125 (400-287372-17) and W-92-121125 (400-287372-18). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-734376 recovered above the upper control limit for Chloroethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-734376/2).

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-734376 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-734376 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260D: The matrix spike (MS) recoveries for analytical batch 400-734376 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid : W-87-121125 (400-287372-11), W-77-121125 (400-287372-12), W-78-121125 (400-287372-13), W-80-121125 (400-287372-14), W-68-121125 (400-287372-15), W-81-121125 (400-287372-16), W-88-121125 (400-287372-17) and W-92-121125 (400-287372-18). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: W-89-121025 (400-287372-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: TB-WW-121025 — Lab Sample ID: 400-287372-1

No Detections.

Client Sample ID: W-91-121025 — Lab Sample ID: 400-287372-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2500		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	1700		20	10	ug/L	20		8260D	Total/NA
Isopropylbenzene	74		20	11	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	4800		100	60	ug/L	20		8260D	Total/NA
n-Butylbenzene	29		20	15	ug/L	20		8260D	Total/NA
N-Propylbenzene	210		20	14	ug/L	20		8260D	Total/NA
o-Xylene	2000		100	60	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	790		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	230		20	11	ug/L	20		8260D	Total/NA
Xylenes, Total	6800		200	120	ug/L	20		8260D	Total/NA
Toluene - DL	10000	F1	50	45	ug/L	50		8260D	Total/NA

Client Sample ID: W-90-121025 — Lab Sample ID: 400-287372-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	13		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	1.4		1.0	0.53	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.67	J	1.0	0.22	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	41		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.3		1.0	0.69	ug/L	1		8260D	Total/NA
o-Xylene	14		5.0	3.0	ug/L	1		8260D	Total/NA
Toluene	120		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	5.6		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	1.5		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	55		10	6.0	ug/L	1		8260D	Total/NA
Benzene - DL	310		2.0	1.0	ug/L	2		8260D	Total/NA

Client Sample ID: W-90-121025-DUP — Lab Sample ID: 400-287372-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	11		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	1.1		1.0	0.53	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.63	J	1.0	0.22	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	34		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.0		1.0	0.69	ug/L	1		8260D	Total/NA
o-Xylene	12		5.0	3.0	ug/L	1		8260D	Total/NA
Toluene	110		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.9		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	1.3		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	46		10	6.0	ug/L	1		8260D	Total/NA
Benzene - DL	300		2.0	1.0	ug/L	2		8260D	Total/NA

Client Sample ID: W-39-121025 — Lab Sample ID: 400-287372-5

No Detections.

Client Sample ID: W-39-121025-DUP — Lab Sample ID: 400-287372-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.56	J	1.0	0.53	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-39-121025-DUP (Continued) — Lab Sample ID: 400-287372-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.22	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: W-72-121025 — Lab Sample ID: 400-287372-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	650		5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	3.4	J	5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	5.7		5.0	2.7	ug/L	5		8260D	Total/NA
Methyl tert-butyl ether	3.1	J	5.0	1.1	ug/L	5		8260D	Total/NA
N-Propylbenzene	5.6		5.0	3.5	ug/L	5		8260D	Total/NA
Toluene	9.9		5.0	4.5	ug/L	5		8260D	Total/NA

Client Sample ID: W-89-121025 — Lab Sample ID: 400-287372-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1300		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	57		5.0	2.7	ug/L	5		8260D	Total/NA
Naphthalene	240		25	15	ug/L	5		8260D	Total/NA
n-Butylbenzene	11		5.0	3.8	ug/L	5		8260D	Total/NA
N-Propylbenzene	100		5.0	3.5	ug/L	5		8260D	Total/NA
p-Isopropyltoluene	4.5	J	5.0	3.6	ug/L	5		8260D	Total/NA
sec-Butylbenzene	6.8		5.0	3.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	660		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	170		5.0	2.8	ug/L	5		8260D	Total/NA
Benzene - DL	8000		50	25	ug/L	50		8260D	Total/NA
m-Xylene & p-Xylene - DL	4300		250	150	ug/L	50		8260D	Total/NA
o-Xylene - DL	1800		250	150	ug/L	50		8260D	Total/NA
Toluene - DL	8100		50	45	ug/L	50		8260D	Total/NA
Xylenes, Total - DL	6100		500	300	ug/L	50		8260D	Total/NA

Client Sample ID: W-69-121025 — Lab Sample ID: 400-287372-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22000		200	100	ug/L	200		8260D	Total/NA
Toluene	1700		200	180	ug/L	200		8260D	Total/NA

Client Sample ID: TB-WW-121125 — Lab Sample ID: 400-287372-10

No Detections.

Client Sample ID: W-87-121125 — Lab Sample ID: 400-287372-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	460		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	1500		20	10	ug/L	20		8260D	Total/NA
Isopropylbenzene	100		20	11	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	4900		100	60	ug/L	20		8260D	Total/NA
Naphthalene	260		100	60	ug/L	20		8260D	Total/NA
n-Butylbenzene	52		20	15	ug/L	20		8260D	Total/NA
N-Propylbenzene	240		20	14	ug/L	20		8260D	Total/NA
o-Xylene	1900		100	60	ug/L	20		8260D	Total/NA
p-Isopropyltoluene	14	J	20	14	ug/L	20		8260D	Total/NA
sec-Butylbenzene	20		20	14	ug/L	20		8260D	Total/NA
Toluene	3700		20	18	ug/L	20		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-87-121125 (Continued) — Lab Sample ID: 400-287372-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1600		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	440		20	11	ug/L	20		8260D	Total/NA
Xylenes, Total	6800		200	120	ug/L	20		8260D	Total/NA

Client Sample ID: W-77-121125 — Lab Sample ID: 400-287372-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.1		1.0	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: W-78-121125 — Lab Sample ID: 400-287372-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	120		50	25	ug/L	50		8260D	Total/NA
Methyl tert-butyl ether	18	J	50	11	ug/L	50		8260D	Total/NA
m-Xylene & p-Xylene	290		250	150	ug/L	50		8260D	Total/NA
Toluene	930		50	45	ug/L	50		8260D	Total/NA
1,2,4-Trimethylbenzene	51		50	41	ug/L	50		8260D	Total/NA
Xylenes, Total	350	J	500	300	ug/L	50		8260D	Total/NA
Benzene - DL	17000		200	100	ug/L	200		8260D	Total/NA

Client Sample ID: W-80-121125 — Lab Sample ID: 400-287372-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2500		20	10	ug/L	20		8260D	Total/NA
Ethylbenzene	10	J	20	10	ug/L	20		8260D	Total/NA

Client Sample ID: W-68-121125 — Lab Sample ID: 400-287372-15

No Detections.

Client Sample ID: W-81-121125 — Lab Sample ID: 400-287372-16

No Detections.

Client Sample ID: W-88-121125 — Lab Sample ID: 400-287372-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	790		5.0	2.5	ug/L	5		8260D	Total/NA
Chloroform	7.8		5.0	4.5	ug/L	5		8260D	Total/NA
Ethylbenzene	95		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	4.5	J	5.0	2.7	ug/L	5		8260D	Total/NA
Methyl tert-butyl ether	4.5	J	5.0	1.1	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	210		25	15	ug/L	5		8260D	Total/NA
Naphthalene	16	J	25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	3.8	J	5.0	3.5	ug/L	5		8260D	Total/NA
o-Xylene	35		25	15	ug/L	5		8260D	Total/NA
Toluene	55		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	28		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	6.5		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	240		50	30	ug/L	5		8260D	Total/NA

Client Sample ID: W-92-121125 — Lab Sample ID: 400-287372-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		20	10	ug/L	20		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-92-121125 (Continued)

Lab Sample ID: 400-287372-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	140		20	10	ug/L	20		8260D	Total/NA
Isopropylbenzene	12	J	20	11	ug/L	20		8260D	Total/NA
Methyl tert-butyl ether	7.1	J	20	4.4	ug/L	20		8260D	Total/NA
m-Xylene & p-Xylene	260		100	60	ug/L	20		8260D	Total/NA
o-Xylene	74	J	100	60	ug/L	20		8260D	Total/NA
Toluene	250		20	18	ug/L	20		8260D	Total/NA
1,2,4-Trimethylbenzene	37		20	16	ug/L	20		8260D	Total/NA
1,3,5-Trimethylbenzene	11	J	20	11	ug/L	20		8260D	Total/NA
Xylenes, Total	340		200	120	ug/L	20		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-287372-1	TB-WW-121025	Water	12/10/25 00:00	12/12/25 09:10	Illinois
400-287372-2	W-91-121025	Water	12/10/25 10:00	12/12/25 09:10	Illinois
400-287372-3	W-90-121025	Water	12/10/25 10:35	12/12/25 09:10	Illinois
400-287372-4	W-90-121025-DUP	Water	12/10/25 10:35	12/12/25 09:10	Illinois
400-287372-5	W-39-121025	Water	12/10/25 11:20	12/12/25 09:10	Illinois
400-287372-6	W-39-121025-DUP	Water	12/10/25 11:20	12/12/25 09:10	Illinois
400-287372-7	W-72-121025	Water	12/10/25 12:05	12/12/25 09:10	Illinois
400-287372-8	W-89-121025	Water	12/10/25 13:10	12/12/25 09:10	Illinois
400-287372-9	W-69-121025	Water	12/10/25 12:35	12/12/25 09:10	Illinois
400-287372-10	TB-WW-121125	Water	12/11/25 00:00	12/12/25 09:10	Illinois
400-287372-11	W-87-121125	Water	12/11/25 10:55	12/12/25 09:10	Illinois
400-287372-12	W-77-121125	Water	12/11/25 11:35	12/12/25 09:10	Illinois
400-287372-13	W-78-121125	Water	12/11/25 11:50	12/12/25 09:10	Illinois
400-287372-14	W-80-121125	Water	12/11/25 12:25	12/12/25 09:10	Illinois
400-287372-15	W-68-121125	Water	12/11/25 12:45	12/12/25 09:10	Illinois
400-287372-16	W-81-121125	Water	12/11/25 13:00	12/12/25 09:10	Illinois
400-287372-17	W-88-121125	Water	12/11/25 13:30	12/12/25 09:10	Illinois
400-287372-18	W-92-121125	Water	12/11/25 13:55	12/12/25 09:10	Illinois

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: TB-WW-121025
Date Collected: 12/10/25 00:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 17:24	1
Acrolein	ND		20	3.3	ug/L			12/18/25 17:24	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 17:24	1
Benzene	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 17:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 17:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 17:24	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 17:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 17:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 17:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 17:24	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 17:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 17:24	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 17:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 17:24	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 17:24	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 17:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 17:24	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 17:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 17:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 17:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 17:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 17:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 17:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 17:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 17:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 17:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 17:24	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 17:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 17:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 17:24	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 17:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/18/25 17:24	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 17:24	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 17:24	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/18/25 17:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/18/25 17:24	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 17:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 17:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/18/25 17:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 17:24	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: TB-WW-121025
Date Collected: 12/10/25 00:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/18/25 17:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 17:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 17:24	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 17:24	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 17:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 17:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 17:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 17:24	1
Toluene	ND		1.0	0.90	ug/L			12/18/25 17:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 17:24	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 17:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 17:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 17:24	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 17:24	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 17:24	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 17:24	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 17:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 17:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/18/25 17:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/18/25 17:24	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 17:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 17:24	1
Xylenes, Total	ND		10	6.0	ug/L			12/18/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*12/18/25 17:24*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*12/18/25 17:24*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 17:24*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-91-121025
Date Collected: 12/10/25 10:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			12/18/25 13:57	20
Acrolein	ND		400	66	ug/L			12/18/25 13:57	20
Acrylonitrile	ND		200	130	ug/L			12/18/25 13:57	20
Benzene	**2500**		20	10	ug/L			12/18/25 13:57	20
Bromobenzene	ND		20	11	ug/L			12/18/25 13:57	20
Bromochloromethane	ND		20	10	ug/L			12/18/25 13:57	20
Bromodichloromethane	ND		20	10	ug/L			12/18/25 13:57	20
Bromoform	ND		100	5.0	ug/L			12/18/25 13:57	20
Bromomethane	ND		20	20	ug/L			12/18/25 13:57	20
2-Butanone (MEK)	ND		500	52	ug/L			12/18/25 13:57	20
Carbon disulfide	ND		20	10	ug/L			12/18/25 13:57	20
Carbon tetrachloride	ND		20	9.2	ug/L			12/18/25 13:57	20
Chlorobenzene	ND		20	8.4	ug/L			12/18/25 13:57	20
Chloroethane	ND		20	15	ug/L			12/18/25 13:57	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			12/18/25 13:57	20
Chloroform	ND		20	18	ug/L			12/18/25 13:57	20
1-Chlorohexane	ND		20	6.4	ug/L			12/18/25 13:57	20
Chloromethane	ND		20	17	ug/L			12/18/25 13:57	20
cis-1,2-Dichloroethene	ND		20	15	ug/L			12/18/25 13:57	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			12/18/25 13:57	20
Dibromochloromethane	ND		20	12	ug/L			12/18/25 13:57	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			12/18/25 13:57	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			12/18/25 13:57	20
1,2-Dichlorobenzene	ND		20	10	ug/L			12/18/25 13:57	20
1,3-Dichlorobenzene	ND		20	11	ug/L			12/18/25 13:57	20
1,4-Dichlorobenzene	ND		20	13	ug/L			12/18/25 13:57	20
Dichlorodifluoromethane	ND		20	17	ug/L			12/18/25 13:57	20
1,1-Dichloroethane	ND		20	10	ug/L			12/18/25 13:57	20
1,2-Dichloroethane	ND		20	11	ug/L			12/18/25 13:57	20
1,1-Dichloroethene	ND		20	10	ug/L			12/18/25 13:57	20
1,2-Dichloropropane	ND		20	10	ug/L			12/18/25 13:57	20
1,3-Dichloropropane	ND		20	10	ug/L			12/18/25 13:57	20
2,2-Dichloropropane	ND		20	10	ug/L			12/18/25 13:57	20
1,1-Dichloropropene	ND		20	6.8	ug/L			12/18/25 13:57	20
1,4-Dioxane	ND		8000	510	ug/L			12/18/25 13:57	20
Ethylbenzene	**1700**		20	10	ug/L			12/18/25 13:57	20
Ethyl methacrylate	ND		20	12	ug/L			12/18/25 13:57	20
Hexachlorobutadiene	ND		100	18	ug/L			12/18/25 13:57	20
2-Hexanone	ND		500	180	ug/L			12/18/25 13:57	20
Isopropylbenzene	**74**		20	11	ug/L			12/18/25 13:57	20
Methylene bromide	ND		100	4.4	ug/L			12/18/25 13:57	20
Methylene Chloride	ND		100	80	ug/L			12/18/25 13:57	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			12/18/25 13:57	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			12/18/25 13:57	20
m-Xylene & p-Xylene	**4800**		100	60	ug/L			12/18/25 13:57	20
Naphthalene	ND		100	60	ug/L			12/18/25 13:57	20
n-Butylbenzene	**29**		20	15	ug/L			12/18/25 13:57	20
N-Propylbenzene	**210**		20	14	ug/L			12/18/25 13:57	20
o-Chlorotoluene	ND		20	11	ug/L			12/18/25 13:57	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-91-121025
Date Collected: 12/10/25 10:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**2000**		100	60	ug/L			12/18/25 13:57	20
p-Chlorotoluene	ND		20	11	ug/L			12/18/25 13:57	20
p-Isopropyltoluene	ND		20	14	ug/L			12/18/25 13:57	20
sec-Butylbenzene	ND		20	14	ug/L			12/18/25 13:57	20
Styrene	ND		20	20	ug/L			12/18/25 13:57	20
tert-Butylbenzene	ND		20	13	ug/L			12/18/25 13:57	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			12/18/25 13:57	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			12/18/25 13:57	20
Tetrachloroethene	ND		20	6.6	ug/L			12/18/25 13:57	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			12/18/25 13:57	20
trans-1,3-Dichloropropene	ND		100	9.4	ug/L			12/18/25 13:57	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			12/18/25 13:57	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			12/18/25 13:57	20
1,1,1-Trichloroethane	ND		20	7.8	ug/L			12/18/25 13:57	20
1,1,2-Trichloroethane	ND		100	20	ug/L			12/18/25 13:57	20
Trichloroethene	ND		20	9.6	ug/L			12/18/25 13:57	20
Trichlorofluoromethane	ND		20	5.0	ug/L			12/18/25 13:57	20
1,2,3-Trichloropropane	ND		100	17	ug/L			12/18/25 13:57	20
1,2,4-Trimethylbenzene	**790**		20	16	ug/L			12/18/25 13:57	20
1,3,5-Trimethylbenzene	**230**		20	11	ug/L			12/18/25 13:57	20
Vinyl acetate	ND		500	19	ug/L			12/18/25 13:57	20
Vinyl chloride	ND		20	10	ug/L			12/18/25 13:57	20
Xylenes, Total	**6800**		200	120	ug/L			12/18/25 13:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*12/18/25 13:57*	*20*
Dibromofluoromethane	*104*		*79 - 130*		*12/18/25 13:57*	*20*
Toluene-d8 (Surr)	*97*		*64 - 132*		*12/18/25 13:57*	*20*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**10000**	**F1**	50	45	ug/L			12/18/25 14:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/18/25 14:38*	*50*
Dibromofluoromethane	*106*		*79 - 130*		*12/18/25 14:38*	*50*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 14:38*	*50*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-90-121025
Date Collected: 12/10/25 10:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 18:05	1
Acrolein	ND		20	3.3	ug/L			12/18/25 18:05	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 18:05	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 18:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 18:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 18:05	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 18:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 18:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 18:05	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 18:05	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 18:05	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 18:05	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 18:05	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 18:05	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 18:05	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 18:05	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 18:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 18:05	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 18:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 18:05	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 18:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 18:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 18:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 18:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 18:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 18:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 18:05	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 18:05	1
Ethylbenzene	**13**		1.0	0.50	ug/L			12/18/25 18:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 18:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 18:05	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 18:05	1
Isopropylbenzene	**1.4**		1.0	0.53	ug/L			12/18/25 18:05	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 18:05	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 18:05	1
Methyl tert-butyl ether	**0.67**	**J**	1.0	0.22	ug/L			12/18/25 18:05	1
m-Xylene & p-Xylene	**41**		5.0	3.0	ug/L			12/18/25 18:05	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 18:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 18:05	1
N-Propylbenzene	**2.3**		1.0	0.69	ug/L			12/18/25 18:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 18:05	1
o-Xylene	**14**		5.0	3.0	ug/L			12/18/25 18:05	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-90-121025
Date Collected: 12/10/25 10:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 18:05	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 18:05	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 18:05	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 18:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 18:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 18:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 18:05	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 18:05	1
Toluene	**120**		1.0	0.90	ug/L			12/18/25 18:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:05	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 18:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 18:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 18:05	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 18:05	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 18:05	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 18:05	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 18:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 18:05	1
1,2,4-Trimethylbenzene	**5.6**		1.0	0.82	ug/L			12/18/25 18:05	1
1,3,5-Trimethylbenzene	**1.5**		1.0	0.56	ug/L			12/18/25 18:05	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 18:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 18:05	1
Xylenes, Total	**55**		10	6.0	ug/L			12/18/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*12/18/25 18:05*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*12/18/25 18:05*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*12/18/25 18:05*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**310**		2.0	1.0	ug/L			12/19/25 17:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*12/19/25 17:38*	*2*
Dibromofluoromethane	*108*		*79 - 130*		*12/19/25 17:38*	*2*
Toluene-d8 (Surr)	*96*		*64 - 132*		*12/19/25 17:38*	*2*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-90-121025-DUP
Date Collected: 12/10/25 10:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 18:26	1
Acrolein	ND		20	3.3	ug/L			12/18/25 18:26	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 18:26	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 18:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 18:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 18:26	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 18:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 18:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 18:26	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 18:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 18:26	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 18:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 18:26	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 18:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 18:26	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 18:26	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 18:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 18:26	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 18:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 18:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 18:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 18:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 18:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 18:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 18:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 18:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 18:26	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 18:26	1
Ethylbenzene	**11**		1.0	0.50	ug/L			12/18/25 18:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 18:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 18:26	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 18:26	1
Isopropylbenzene	**1.1**		1.0	0.53	ug/L			12/18/25 18:26	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 18:26	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 18:26	1
Methyl tert-butyl ether	**0.63**	**J**	1.0	0.22	ug/L			12/18/25 18:26	1
m-Xylene & p-Xylene	**34**		5.0	3.0	ug/L			12/18/25 18:26	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 18:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 18:26	1
N-Propylbenzene	**2.0**		1.0	0.69	ug/L			12/18/25 18:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 18:26	1
o-Xylene	**12**		5.0	3.0	ug/L			12/18/25 18:26	1

Client Sample ID: W-90-121025-DUP
Date Collected: 12/10/25 10:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 18:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 18:26	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 18:26	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 18:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 18:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 18:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 18:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 18:26	1
Toluene	**110**		1.0	0.90	ug/L			12/18/25 18:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:26	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 18:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 18:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 18:26	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 18:26	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 18:26	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 18:26	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 18:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 18:26	1
1,2,4-Trimethylbenzene	**4.9**		1.0	0.82	ug/L			12/18/25 18:26	1
1,3,5-Trimethylbenzene	**1.3**		1.0	0.56	ug/L			12/18/25 18:26	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 18:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 18:26	1
Xylenes, Total	**46**		10	6.0	ug/L			12/18/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*12/18/25 18:26*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*12/18/25 18:26*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 18:26*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**300**		2.0	1.0	ug/L			12/19/25 17:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*12/19/25 17:59*	*2*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 17:59*	*2*
Toluene-d8 (Surr)	*98*		*64 - 132*		*12/19/25 17:59*	*2*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-39-121025
Date Collected: 12/10/25 11:20
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 18:47	1
Acrolein	ND		20	3.3	ug/L			12/18/25 18:47	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 18:47	1
Benzene	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 18:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 18:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 18:47	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 18:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 18:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 18:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 18:47	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 18:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 18:47	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 18:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 18:47	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 18:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 18:47	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 18:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 18:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 18:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 18:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 18:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 18:47	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 18:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 18:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 18:47	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 18:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/18/25 18:47	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 18:47	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 18:47	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/18/25 18:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/18/25 18:47	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 18:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 18:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/18/25 18:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 18:47	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-39-121025
Date Collected: 12/10/25 11:20
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/18/25 18:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 18:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 18:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 18:47	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 18:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 18:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 18:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 18:47	1
Toluene	ND		1.0	0.90	ug/L			12/18/25 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 18:47	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 18:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 18:47	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 18:47	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 18:47	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 18:47	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 18:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 18:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/18/25 18:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/18/25 18:47	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 18:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 18:47	1
Xylenes, Total	ND		10	6.0	ug/L			12/18/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*12/18/25 18:47*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*12/18/25 18:47*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 18:47*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-39-121025-DUP
Date Collected: 12/10/25 11:20
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 19:07	1
Acrolein	ND		20	3.3	ug/L			12/18/25 19:07	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 19:07	1
Benzene	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 19:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 19:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 19:07	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 19:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 19:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 19:07	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 19:07	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 19:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 19:07	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 19:07	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 19:07	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 19:07	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 19:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 19:07	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 19:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 19:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 19:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 19:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 19:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 19:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 19:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 19:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 19:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 19:07	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 19:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 19:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 19:07	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 19:07	1
Isopropylbenzene	**0.56**	**J**	1.0	0.53	ug/L			12/18/25 19:07	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 19:07	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 19:07	1
Methyl tert-butyl ether	**0.22**	**J**	1.0	0.22	ug/L			12/18/25 19:07	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/18/25 19:07	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 19:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 19:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/18/25 19:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 19:07	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-39-121025-DUP
Date Collected: 12/10/25 11:20
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/18/25 19:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 19:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 19:07	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 19:07	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 19:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 19:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 19:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 19:07	1
Toluene	ND		1.0	0.90	ug/L			12/18/25 19:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 19:07	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 19:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 19:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 19:07	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 19:07	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 19:07	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 19:07	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 19:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 19:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/18/25 19:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/18/25 19:07	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 19:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 19:07	1
Xylenes, Total	ND		10	6.0	ug/L			12/18/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/18/25 19:07*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*12/18/25 19:07*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 19:07*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-72-121025
Date Collected: 12/10/25 12:05
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			12/18/25 19:28	5
Acrolein	ND		100	17	ug/L			12/18/25 19:28	5
Acrylonitrile	ND		50	34	ug/L			12/18/25 19:28	5
Benzene	**650**		5.0	2.5	ug/L			12/18/25 19:28	5
Bromobenzene	ND		5.0	2.7	ug/L			12/18/25 19:28	5
Bromochloromethane	ND		5.0	2.6	ug/L			12/18/25 19:28	5
Bromodichloromethane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
Bromoform	ND		25	1.3	ug/L			12/18/25 19:28	5
Bromomethane	ND		5.0	4.9	ug/L			12/18/25 19:28	5
2-Butanone (MEK)	ND		130	13	ug/L			12/18/25 19:28	5
Carbon disulfide	ND		5.0	2.5	ug/L			12/18/25 19:28	5
Carbon tetrachloride	ND		5.0	2.3	ug/L			12/18/25 19:28	5
Chlorobenzene	ND		5.0	2.1	ug/L			12/18/25 19:28	5
Chloroethane	ND		5.0	3.8	ug/L			12/18/25 19:28	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			12/18/25 19:28	5
Chloroform	ND		5.0	4.5	ug/L			12/18/25 19:28	5
1-Chlorohexane	ND		5.0	1.6	ug/L			12/18/25 19:28	5
Chloromethane	ND		5.0	4.2	ug/L			12/18/25 19:28	5
cis-1,2-Dichloroethene	ND		5.0	3.8	ug/L			12/18/25 19:28	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			12/18/25 19:28	5
Dibromochloromethane	ND		5.0	3.1	ug/L			12/18/25 19:28	5
1,2-Dibromo-3-Chloropropane	ND		25	7.5	ug/L			12/18/25 19:28	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			12/18/25 19:28	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			12/18/25 19:28	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			12/18/25 19:28	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			12/18/25 19:28	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			12/18/25 19:28	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			12/18/25 19:28	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			12/18/25 19:28	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
1,1-Dichloropropene	ND		5.0	1.7	ug/L			12/18/25 19:28	5
1,4-Dioxane	ND		2000	130	ug/L			12/18/25 19:28	5
Ethylbenzene	**3.4**	**J**	5.0	2.5	ug/L			12/18/25 19:28	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			12/18/25 19:28	5
Hexachlorobutadiene	ND		25	4.5	ug/L			12/18/25 19:28	5
2-Hexanone	ND		130	46	ug/L			12/18/25 19:28	5
Isopropylbenzene	**5.7**		5.0	2.7	ug/L			12/18/25 19:28	5
Methylene bromide	ND		25	1.1	ug/L			12/18/25 19:28	5
Methylene Chloride	ND		25	20	ug/L			12/18/25 19:28	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			12/18/25 19:28	5
Methyl tert-butyl ether	**3.1**	**J**	5.0	1.1	ug/L			12/18/25 19:28	5
m-Xylene & p-Xylene	ND		25	15	ug/L			12/18/25 19:28	5
Naphthalene	ND		25	15	ug/L			12/18/25 19:28	5
n-Butylbenzene	ND		5.0	3.8	ug/L			12/18/25 19:28	5
N-Propylbenzene	**5.6**		5.0	3.5	ug/L			12/18/25 19:28	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			12/18/25 19:28	5

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-72-121025
Date Collected: 12/10/25 12:05
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		25	15	ug/L			12/18/25 19:28	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			12/18/25 19:28	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			12/18/25 19:28	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			12/18/25 19:28	5
Styrene	ND		5.0	5.0	ug/L			12/18/25 19:28	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			12/18/25 19:28	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			12/18/25 19:28	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			12/18/25 19:28	5
Tetrachloroethene	ND		5.0	1.7	ug/L			12/18/25 19:28	5
Toluene	**9.9**		5.0	4.5	ug/L			12/18/25 19:28	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			12/18/25 19:28	5
trans-1,3-Dichloropropene	ND		25	2.4	ug/L			12/18/25 19:28	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			12/18/25 19:28	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			12/18/25 19:28	5
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			12/18/25 19:28	5
1,1,2-Trichloroethane	ND		25	5.0	ug/L			12/18/25 19:28	5
Trichloroethene	ND		5.0	2.4	ug/L			12/18/25 19:28	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			12/18/25 19:28	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			12/18/25 19:28	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			12/18/25 19:28	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			12/18/25 19:28	5
Vinyl acetate	ND		130	4.7	ug/L			12/18/25 19:28	5
Vinyl chloride	ND		5.0	2.5	ug/L			12/18/25 19:28	5
Xylenes, Total	ND		50	30	ug/L			12/18/25 19:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*12/18/25 19:28*	*5*
Dibromofluoromethane	*109*		*79 - 130*		*12/18/25 19:28*	*5*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 19:28*	*5*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-89-121025
Date Collected: 12/10/25 13:10
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			12/18/25 19:49	5
Acrolein	ND		100	17	ug/L			12/18/25 19:49	5
Acrylonitrile	ND		50	34	ug/L			12/18/25 19:49	5
Bromobenzene	ND		5.0	2.7	ug/L			12/18/25 19:49	5
Bromochloromethane	ND		5.0	2.6	ug/L			12/18/25 19:49	5
Bromodichloromethane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
Bromoform	ND		25	1.3	ug/L			12/18/25 19:49	5
Bromomethane	ND		5.0	4.9	ug/L			12/18/25 19:49	5
2-Butanone (MEK)	ND		130	13	ug/L			12/18/25 19:49	5
Carbon disulfide	ND		5.0	2.5	ug/L			12/18/25 19:49	5
Carbon tetrachloride	ND		5.0	2.3	ug/L			12/18/25 19:49	5
Chlorobenzene	ND		5.0	2.1	ug/L			12/18/25 19:49	5
Chloroethane	ND		5.0	3.8	ug/L			12/18/25 19:49	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			12/18/25 19:49	5
Chloroform	ND		5.0	4.5	ug/L			12/18/25 19:49	5
1-Chlorohexane	ND		5.0	1.6	ug/L			12/18/25 19:49	5
Chloromethane	ND		5.0	4.2	ug/L			12/18/25 19:49	5
cis-1,2-Dichloroethene	ND		5.0	3.8	ug/L			12/18/25 19:49	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			12/18/25 19:49	5
Dibromochloromethane	ND		5.0	3.1	ug/L			12/18/25 19:49	5
1,2-Dibromo-3-Chloropropane	ND		25	7.5	ug/L			12/18/25 19:49	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			12/18/25 19:49	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			12/18/25 19:49	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			12/18/25 19:49	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			12/18/25 19:49	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			12/18/25 19:49	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			12/18/25 19:49	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			12/18/25 19:49	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
1,1-Dichloropropene	ND		5.0	1.7	ug/L			12/18/25 19:49	5
1,4-Dioxane	ND		2000	130	ug/L			12/18/25 19:49	5
Ethylbenzene	**1300**		5.0	2.5	ug/L			12/18/25 19:49	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			12/18/25 19:49	5
Hexachlorobutadiene	ND		25	4.5	ug/L			12/18/25 19:49	5
2-Hexanone	ND		130	46	ug/L			12/18/25 19:49	5
Isopropylbenzene	**57**		5.0	2.7	ug/L			12/18/25 19:49	5
Methylene bromide	ND		25	1.1	ug/L			12/18/25 19:49	5
Methylene Chloride	ND		25	20	ug/L			12/18/25 19:49	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			12/18/25 19:49	5
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			12/18/25 19:49	5
Naphthalene	**240**		25	15	ug/L			12/18/25 19:49	5
n-Butylbenzene	**11**		5.0	3.8	ug/L			12/18/25 19:49	5
N-Propylbenzene	**100**		5.0	3.5	ug/L			12/18/25 19:49	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			12/18/25 19:49	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			12/18/25 19:49	5
p-Isopropyltoluene	**4.5**	**J**	5.0	3.6	ug/L			12/18/25 19:49	5

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-89-121025
Date Collected: 12/10/25 13:10
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**6.8**		5.0	3.5	ug/L			12/18/25 19:49	5
Styrene	ND		5.0	5.0	ug/L			12/18/25 19:49	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			12/18/25 19:49	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			12/18/25 19:49	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			12/18/25 19:49	5
Tetrachloroethene	ND		5.0	1.7	ug/L			12/18/25 19:49	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			12/18/25 19:49	5
trans-1,3-Dichloropropene	ND		25	2.4	ug/L			12/18/25 19:49	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			12/18/25 19:49	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			12/18/25 19:49	5
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			12/18/25 19:49	5
1,1,2-Trichloroethane	ND		25	5.0	ug/L			12/18/25 19:49	5
Trichloroethene	ND		5.0	2.4	ug/L			12/18/25 19:49	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			12/18/25 19:49	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			12/18/25 19:49	5
1,2,4-Trimethylbenzene	**660**		5.0	4.1	ug/L			12/18/25 19:49	5
1,3,5-Trimethylbenzene	**170**		5.0	2.8	ug/L			12/18/25 19:49	5
Vinyl acetate	ND		130	4.7	ug/L			12/18/25 19:49	5
Vinyl chloride	ND		5.0	2.5	ug/L			12/18/25 19:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*12/18/25 19:49*	*5*
Dibromofluoromethane	*108*		*79 - 130*		*12/18/25 19:49*	*5*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/18/25 19:49*	*5*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8000**		50	25	ug/L			12/22/25 20:54	50
m-Xylene & p-Xylene	**4300**		250	150	ug/L			12/22/25 20:54	50
o-Xylene	**1800**		250	150	ug/L			12/22/25 20:54	50
Toluene	**8100**		50	45	ug/L			12/22/25 20:54	50
Xylenes, Total	**6100**		500	300	ug/L			12/22/25 20:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*12/22/25 20:54*	*50*
Dibromofluoromethane	*107*		*79 - 130*		*12/22/25 20:54*	*50*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/22/25 20:54*	*50*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-69-121025
Date Collected: 12/10/25 12:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5000	2000	ug/L			12/18/25 21:53	200
Acrolein	ND		4000	660	ug/L			12/18/25 21:53	200
Acrylonitrile	ND		2000	1300	ug/L			12/18/25 21:53	200
Benzene	**22000**		200	100	ug/L			12/18/25 21:53	200
Bromobenzene	ND		200	110	ug/L			12/18/25 21:53	200
Bromochloromethane	ND		200	100	ug/L			12/18/25 21:53	200
Bromodichloromethane	ND		200	100	ug/L			12/18/25 21:53	200
Bromoform	ND		1000	50	ug/L			12/18/25 21:53	200
Bromomethane	ND		200	200	ug/L			12/18/25 21:53	200
2-Butanone (MEK)	ND		5000	520	ug/L			12/18/25 21:53	200
Carbon disulfide	ND		200	100	ug/L			12/18/25 21:53	200
Carbon tetrachloride	ND		200	92	ug/L			12/18/25 21:53	200
Chlorobenzene	ND		200	84	ug/L			12/18/25 21:53	200
Chloroethane	ND		200	150	ug/L			12/18/25 21:53	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			12/18/25 21:53	200
Chloroform	ND		200	180	ug/L			12/18/25 21:53	200
1-Chlorohexane	ND		200	64	ug/L			12/18/25 21:53	200
Chloromethane	ND		200	170	ug/L			12/18/25 21:53	200
cis-1,2-Dichloroethene	ND		200	150	ug/L			12/18/25 21:53	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			12/18/25 21:53	200
Dibromochloromethane	ND		200	120	ug/L			12/18/25 21:53	200
1,2-Dibromo-3-Chloropropane	ND		1000	300	ug/L			12/18/25 21:53	200
1,2-Dibromoethane (EDB)	ND		200	46	ug/L			12/18/25 21:53	200
1,2-Dichlorobenzene	ND		200	100	ug/L			12/18/25 21:53	200
1,3-Dichlorobenzene	ND		200	110	ug/L			12/18/25 21:53	200
1,4-Dichlorobenzene	ND		200	130	ug/L			12/18/25 21:53	200
Dichlorodifluoromethane	ND		200	170	ug/L			12/18/25 21:53	200
1,1-Dichloroethane	ND		200	100	ug/L			12/18/25 21:53	200
1,2-Dichloroethane	ND		200	110	ug/L			12/18/25 21:53	200
1,1-Dichloroethene	ND		200	100	ug/L			12/18/25 21:53	200
1,2-Dichloropropane	ND		200	100	ug/L			12/18/25 21:53	200
1,3-Dichloropropane	ND		200	100	ug/L			12/18/25 21:53	200
2,2-Dichloropropane	ND		200	100	ug/L			12/18/25 21:53	200
1,1-Dichloropropene	ND		200	68	ug/L			12/18/25 21:53	200
1,4-Dioxane	ND		80000	5100	ug/L			12/18/25 21:53	200
Ethylbenzene	ND		200	100	ug/L			12/18/25 21:53	200
Ethyl methacrylate	ND		200	120	ug/L			12/18/25 21:53	200
Hexachlorobutadiene	ND		1000	180	ug/L			12/18/25 21:53	200
2-Hexanone	ND		5000	1800	ug/L			12/18/25 21:53	200
Isopropylbenzene	ND		200	110	ug/L			12/18/25 21:53	200
Methylene bromide	ND		1000	44	ug/L			12/18/25 21:53	200
Methylene Chloride	ND		1000	800	ug/L			12/18/25 21:53	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			12/18/25 21:53	200
Methyl tert-butyl ether	ND		200	44	ug/L			12/18/25 21:53	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			12/18/25 21:53	200
Naphthalene	ND		1000	600	ug/L			12/18/25 21:53	200
n-Butylbenzene	ND		200	150	ug/L			12/18/25 21:53	200
N-Propylbenzene	ND		200	140	ug/L			12/18/25 21:53	200
o-Chlorotoluene	ND		200	110	ug/L			12/18/25 21:53	200

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-69-121025
Date Collected: 12/10/25 12:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1000	600	ug/L			12/18/25 21:53	200
p-Chlorotoluene	ND		200	110	ug/L			12/18/25 21:53	200
p-Isopropyltoluene	ND		200	140	ug/L			12/18/25 21:53	200
sec-Butylbenzene	ND		200	140	ug/L			12/18/25 21:53	200
Styrene	ND		200	200	ug/L			12/18/25 21:53	200
tert-Butylbenzene	ND		200	130	ug/L			12/18/25 21:53	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			12/18/25 21:53	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			12/18/25 21:53	200
Tetrachloroethene	ND		200	66	ug/L			12/18/25 21:53	200
Toluene	**1700**		200	180	ug/L			12/18/25 21:53	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			12/18/25 21:53	200
trans-1,3-Dichloropropene	ND		1000	94	ug/L			12/18/25 21:53	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			12/18/25 21:53	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			12/18/25 21:53	200
1,1,1-Trichloroethane	ND		200	78	ug/L			12/18/25 21:53	200
1,1,2-Trichloroethane	ND		1000	200	ug/L			12/18/25 21:53	200
Trichloroethene	ND		200	96	ug/L			12/18/25 21:53	200
Trichlorofluoromethane	ND		200	50	ug/L			12/18/25 21:53	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			12/18/25 21:53	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			12/18/25 21:53	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			12/18/25 21:53	200
Vinyl acetate	ND		5000	190	ug/L			12/18/25 21:53	200
Vinyl chloride	ND		200	100	ug/L			12/18/25 21:53	200
Xylenes, Total	ND		2000	1200	ug/L			12/18/25 21:53	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/18/25 21:53*	*200*
Dibromofluoromethane	*106*		*79 - 130*		*12/18/25 21:53*	*200*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/18/25 21:53*	*200*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: TB-WW-121125
Date Collected: 12/11/25 00:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 17:44	1
Acrolein	ND		20	3.3	ug/L			12/18/25 17:44	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 17:44	1
Benzene	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 17:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 17:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 17:44	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 17:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 17:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 17:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 17:44	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 17:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 17:44	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 17:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 17:44	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 17:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 17:44	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 17:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 17:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 17:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 17:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 17:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 17:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 17:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 17:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 17:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 17:44	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 17:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 17:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 17:44	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 17:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/18/25 17:44	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 17:44	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 17:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/18/25 17:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/18/25 17:44	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 17:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 17:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/18/25 17:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 17:44	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: TB-WW-121125
Date Collected: 12/11/25 00:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/18/25 17:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 17:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 17:44	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 17:44	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 17:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 17:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 17:44	1
Toluene	ND		1.0	0.90	ug/L			12/18/25 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 17:44	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 17:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 17:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 17:44	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 17:44	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 17:44	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 17:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 17:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 17:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/18/25 17:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/18/25 17:44	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 17:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 17:44	1
Xylenes, Total	ND		10	6.0	ug/L			12/18/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*12/18/25 17:44*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*12/18/25 17:44*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/18/25 17:44*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-87-121125
Date Collected: 12/11/25 10:55
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			12/19/25 18:20	20
Acrolein	ND		400	66	ug/L			12/19/25 18:20	20
Acrylonitrile	ND		200	130	ug/L			12/19/25 18:20	20
Benzene	**460**		20	10	ug/L			12/19/25 18:20	20
Bromobenzene	ND		20	11	ug/L			12/19/25 18:20	20
Bromochloromethane	ND		20	10	ug/L			12/19/25 18:20	20
Bromodichloromethane	ND		20	10	ug/L			12/19/25 18:20	20
Bromoform	ND		100	5.0	ug/L			12/19/25 18:20	20
Bromomethane	ND		20	20	ug/L			12/19/25 18:20	20
2-Butanone (MEK)	ND		500	52	ug/L			12/19/25 18:20	20
Carbon disulfide	ND		20	10	ug/L			12/19/25 18:20	20
Carbon tetrachloride	ND		20	9.2	ug/L			12/19/25 18:20	20
Chlorobenzene	ND		20	8.4	ug/L			12/19/25 18:20	20
Chloroethane	ND		20	15	ug/L			12/19/25 18:20	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			12/19/25 18:20	20
Chloroform	ND		20	18	ug/L			12/19/25 18:20	20
1-Chlorohexane	ND		20	6.4	ug/L			12/19/25 18:20	20
Chloromethane	ND		20	17	ug/L			12/19/25 18:20	20
cis-1,2-Dichloroethene	ND		20	15	ug/L			12/19/25 18:20	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			12/19/25 18:20	20
Dibromochloromethane	ND		20	12	ug/L			12/19/25 18:20	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			12/19/25 18:20	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			12/19/25 18:20	20
1,2-Dichlorobenzene	ND		20	10	ug/L			12/19/25 18:20	20
1,3-Dichlorobenzene	ND		20	11	ug/L			12/19/25 18:20	20
1,4-Dichlorobenzene	ND		20	13	ug/L			12/19/25 18:20	20
Dichlorodifluoromethane	ND		20	17	ug/L			12/19/25 18:20	20
1,1-Dichloroethane	ND		20	10	ug/L			12/19/25 18:20	20
1,2-Dichloroethane	ND		20	11	ug/L			12/19/25 18:20	20
1,1-Dichloroethene	ND		20	10	ug/L			12/19/25 18:20	20
1,2-Dichloropropane	ND		20	10	ug/L			12/19/25 18:20	20
1,3-Dichloropropane	ND		20	10	ug/L			12/19/25 18:20	20
2,2-Dichloropropane	ND		20	10	ug/L			12/19/25 18:20	20
1,1-Dichloropropene	ND		20	6.8	ug/L			12/19/25 18:20	20
1,4-Dioxane	ND		8000	510	ug/L			12/19/25 18:20	20
Ethylbenzene	**1500**		20	10	ug/L			12/19/25 18:20	20
Ethyl methacrylate	ND		20	12	ug/L			12/19/25 18:20	20
Hexachlorobutadiene	ND		100	18	ug/L			12/19/25 18:20	20
2-Hexanone	ND		500	180	ug/L			12/19/25 18:20	20
Isopropylbenzene	**100**		20	11	ug/L			12/19/25 18:20	20
Methylene bromide	ND		100	4.4	ug/L			12/19/25 18:20	20
Methylene Chloride	ND		100	80	ug/L			12/19/25 18:20	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			12/19/25 18:20	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			12/19/25 18:20	20
m-Xylene & p-Xylene	**4900**		100	60	ug/L			12/19/25 18:20	20
Naphthalene	**260**		100	60	ug/L			12/19/25 18:20	20
n-Butylbenzene	**52**		20	15	ug/L			12/19/25 18:20	20
N-Propylbenzene	**240**		20	14	ug/L			12/19/25 18:20	20
o-Chlorotoluene	ND		20	11	ug/L			12/19/25 18:20	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-87-121125
Date Collected: 12/11/25 10:55
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**1900**		100	60	ug/L			12/19/25 18:20	20
p-Chlorotoluene	ND		20	11	ug/L			12/19/25 18:20	20
p-Isopropyltoluene	**14**	**J**	20	14	ug/L			12/19/25 18:20	20
sec-Butylbenzene	**20**		20	14	ug/L			12/19/25 18:20	20
Styrene	ND		20	20	ug/L			12/19/25 18:20	20
tert-Butylbenzene	ND		20	13	ug/L			12/19/25 18:20	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			12/19/25 18:20	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			12/19/25 18:20	20
Tetrachloroethene	ND		20	6.6	ug/L			12/19/25 18:20	20
Toluene	**3700**		20	18	ug/L			12/19/25 18:20	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			12/19/25 18:20	20
trans-1,3-Dichloropropene	ND		100	9.4	ug/L			12/19/25 18:20	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			12/19/25 18:20	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			12/19/25 18:20	20
1,1,1-Trichloroethane	ND		20	7.8	ug/L			12/19/25 18:20	20
1,1,2-Trichloroethane	ND		100	20	ug/L			12/19/25 18:20	20
Trichloroethene	ND		20	9.6	ug/L			12/19/25 18:20	20
Trichlorofluoromethane	ND		20	5.0	ug/L			12/19/25 18:20	20
1,2,3-Trichloropropane	ND		100	17	ug/L			12/19/25 18:20	20
1,2,4-Trimethylbenzene	**1600**		20	16	ug/L			12/19/25 18:20	20
1,3,5-Trimethylbenzene	**440**		20	11	ug/L			12/19/25 18:20	20
Vinyl acetate	ND		500	19	ug/L			12/19/25 18:20	20
Vinyl chloride	ND		20	10	ug/L			12/19/25 18:20	20
Xylenes, Total	**6800**		200	120	ug/L			12/19/25 18:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*12/19/25 18:20*	*20*
Dibromofluoromethane	*108*		*79 - 130*		*12/19/25 18:20*	*20*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/19/25 18:20*	*20*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-77-121125
Date Collected: 12/11/25 11:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	25	10	ug/L			12/19/25 11:25	1
Acrolein	ND		20	3.3	ug/L			12/19/25 11:25	1
Acrylonitrile	ND		10	6.7	ug/L			12/19/25 11:25	1
Benzene	**2.1**		1.0	0.50	ug/L			12/19/25 11:25	1
Bromobenzene	ND		1.0	0.54	ug/L			12/19/25 11:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/19/25 11:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
Bromoform	ND		5.0	0.25	ug/L			12/19/25 11:25	1
Bromomethane	ND		1.0	0.98	ug/L			12/19/25 11:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/19/25 11:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/19/25 11:25	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/19/25 11:25	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/19/25 11:25	1
Chloroethane	ND		1.0	0.76	ug/L			12/19/25 11:25	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			12/19/25 11:25	1
Chloroform	ND		1.0	0.90	ug/L			12/19/25 11:25	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/19/25 11:25	1
Chloromethane	ND		1.0	0.84	ug/L			12/19/25 11:25	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/19/25 11:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/19/25 11:25	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/19/25 11:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/19/25 11:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/19/25 11:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/19/25 11:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/19/25 11:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/19/25 11:25	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/19/25 11:25	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/19/25 11:25	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 11:25	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/19/25 11:25	1
1,4-Dioxane	ND		400	26	ug/L			12/19/25 11:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/19/25 11:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/19/25 11:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/19/25 11:25	1
2-Hexanone	ND		25	9.1	ug/L			12/19/25 11:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/19/25 11:25	1
Methylene bromide	ND		5.0	0.22	ug/L			12/19/25 11:25	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/19/25 11:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/19/25 11:25	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/19/25 11:25	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/19/25 11:25	1
Naphthalene	ND		5.0	3.0	ug/L			12/19/25 11:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/19/25 11:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/25 11:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/19/25 11:25	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-77-121125
Date Collected: 12/11/25 11:35
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/19/25 11:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/19/25 11:25	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/19/25 11:25	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/19/25 11:25	1
Styrene	ND		1.0	1.0	ug/L			12/19/25 11:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/19/25 11:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/19/25 11:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/19/25 11:25	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/19/25 11:25	1
Toluene	ND		1.0	0.90	ug/L			12/19/25 11:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 11:25	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/19/25 11:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/19/25 11:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/19/25 11:25	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/19/25 11:25	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/19/25 11:25	1
Trichloroethene	ND		1.0	0.48	ug/L			12/19/25 11:25	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/19/25 11:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/19/25 11:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/19/25 11:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/19/25 11:25	1
Vinyl acetate	ND		25	0.93	ug/L			12/19/25 11:25	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/19/25 11:25	1
Xylenes, Total	ND		10	6.0	ug/L			12/19/25 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/19/25 11:25*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 11:25*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*12/19/25 11:25*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-78-121125
Date Collected: 12/11/25 11:50
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1300	500	ug/L			12/19/25 12:48	50
Acrolein	ND		1000	170	ug/L			12/19/25 12:48	50
Acrylonitrile	ND		500	340	ug/L			12/19/25 12:48	50
Bromobenzene	ND		50	27	ug/L			12/19/25 12:48	50
Bromochloromethane	ND		50	26	ug/L			12/19/25 12:48	50
Bromodichloromethane	ND		50	25	ug/L			12/19/25 12:48	50
Bromoform	ND		250	13	ug/L			12/19/25 12:48	50
Bromomethane	ND		50	49	ug/L			12/19/25 12:48	50
2-Butanone (MEK)	ND		1300	130	ug/L			12/19/25 12:48	50
Carbon disulfide	ND		50	25	ug/L			12/19/25 12:48	50
Carbon tetrachloride	ND		50	23	ug/L			12/19/25 12:48	50
Chlorobenzene	ND		50	21	ug/L			12/19/25 12:48	50
Chloroethane	ND		50	38	ug/L			12/19/25 12:48	50
2-Chloroethyl vinyl ether	ND		250	100	ug/L			12/19/25 12:48	50
Chloroform	ND		50	45	ug/L			12/19/25 12:48	50
1-Chlorohexane	ND		50	16	ug/L			12/19/25 12:48	50
Chloromethane	ND		50	42	ug/L			12/19/25 12:48	50
cis-1,2-Dichloroethene	ND		50	38	ug/L			12/19/25 12:48	50
cis-1,3-Dichloropropene	ND		250	25	ug/L			12/19/25 12:48	50
Dibromochloromethane	ND		50	31	ug/L			12/19/25 12:48	50
1,2-Dibromo-3-Chloropropane	ND		250	75	ug/L			12/19/25 12:48	50
1,2-Dibromoethane (EDB)	ND		50	12	ug/L			12/19/25 12:48	50
1,2-Dichlorobenzene	ND		50	25	ug/L			12/19/25 12:48	50
1,3-Dichlorobenzene	ND		50	27	ug/L			12/19/25 12:48	50
1,4-Dichlorobenzene	ND		50	32	ug/L			12/19/25 12:48	50
Dichlorodifluoromethane	ND		50	43	ug/L			12/19/25 12:48	50
1,1-Dichloroethane	ND		50	25	ug/L			12/19/25 12:48	50
1,2-Dichloroethane	ND		50	28	ug/L			12/19/25 12:48	50
1,1-Dichloroethene	ND		50	25	ug/L			12/19/25 12:48	50
1,2-Dichloropropane	ND		50	25	ug/L			12/19/25 12:48	50
1,3-Dichloropropane	ND		50	25	ug/L			12/19/25 12:48	50
2,2-Dichloropropane	ND		50	25	ug/L			12/19/25 12:48	50
1,1-Dichloropropene	ND		50	17	ug/L			12/19/25 12:48	50
1,4-Dioxane	ND		20000	1300	ug/L			12/19/25 12:48	50
Ethylbenzene	**120**		50	25	ug/L			12/19/25 12:48	50
Ethyl methacrylate	ND		50	30	ug/L			12/19/25 12:48	50
Hexachlorobutadiene	ND		250	45	ug/L			12/19/25 12:48	50
2-Hexanone	ND		1300	460	ug/L			12/19/25 12:48	50
Isopropylbenzene	ND		50	27	ug/L			12/19/25 12:48	50
Methylene bromide	ND		250	11	ug/L			12/19/25 12:48	50
Methylene Chloride	ND		250	200	ug/L			12/19/25 12:48	50
4-Methyl-2-pentanone (MIBK)	ND		1300	90	ug/L			12/19/25 12:48	50
Methyl tert-butyl ether	**18**	**J**	50	11	ug/L			12/19/25 12:48	50
m-Xylene & p-Xylene	**290**		250	150	ug/L			12/19/25 12:48	50
Naphthalene	ND		250	150	ug/L			12/19/25 12:48	50
n-Butylbenzene	ND		50	38	ug/L			12/19/25 12:48	50
N-Propylbenzene	ND		50	35	ug/L			12/19/25 12:48	50
o-Chlorotoluene	ND		50	29	ug/L			12/19/25 12:48	50
o-Xylene	ND		250	150	ug/L			12/19/25 12:48	50

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-78-121125
Date Collected: 12/11/25 11:50
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Chlorotoluene	ND		50	28	ug/L			12/19/25 12:48	50
p-Isopropyltoluene	ND		50	36	ug/L			12/19/25 12:48	50
sec-Butylbenzene	ND		50	35	ug/L			12/19/25 12:48	50
Styrene	ND		50	50	ug/L			12/19/25 12:48	50
tert-Butylbenzene	ND		50	32	ug/L			12/19/25 12:48	50
1,1,1,2-Tetrachloroethane	ND		50	19	ug/L			12/19/25 12:48	50
1,1,2,2-Tetrachloroethane	ND		50	25	ug/L			12/19/25 12:48	50
Tetrachloroethene	ND		50	17	ug/L			12/19/25 12:48	50
Toluene	**930**		50	45	ug/L			12/19/25 12:48	50
trans-1,2-Dichloroethene	ND		50	25	ug/L			12/19/25 12:48	50
trans-1,3-Dichloropropene	ND		250	24	ug/L			12/19/25 12:48	50
1,2,3-Trichlorobenzene	ND		50	45	ug/L			12/19/25 12:48	50
1,2,4-Trichlorobenzene	ND		50	41	ug/L			12/19/25 12:48	50
1,1,1-Trichloroethane	ND		50	20	ug/L			12/19/25 12:48	50
1,1,2-Trichloroethane	ND		250	50	ug/L			12/19/25 12:48	50
Trichloroethene	ND		50	24	ug/L			12/19/25 12:48	50
Trichlorofluoromethane	ND		50	13	ug/L			12/19/25 12:48	50
1,2,3-Trichloropropane	ND		250	42	ug/L			12/19/25 12:48	50
1,2,4-Trimethylbenzene	**51**		50	41	ug/L			12/19/25 12:48	50
1,3,5-Trimethylbenzene	ND		50	28	ug/L			12/19/25 12:48	50
Vinyl acetate	ND		1300	47	ug/L			12/19/25 12:48	50
Vinyl chloride	ND		50	25	ug/L			12/19/25 12:48	50
Xylenes, Total	**350**	**J**	500	300	ug/L			12/19/25 12:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*12/19/25 12:48*	*50*
Dibromofluoromethane	*106*		*79 - 130*		*12/19/25 12:48*	*50*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/19/25 12:48*	*50*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**17000**		200	100	ug/L			12/19/25 19:43	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*12/19/25 19:43*	*200*
Dibromofluoromethane	*106*		*79 - 130*		*12/19/25 19:43*	*200*
Toluene-d8 (Surr)	*97*		*64 - 132*		*12/19/25 19:43*	*200*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-80-121125
Date Collected: 12/11/25 12:25
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			12/19/25 19:22	20
Acrolein	ND		400	66	ug/L			12/19/25 19:22	20
Acrylonitrile	ND		200	130	ug/L			12/19/25 19:22	20
Benzene	**2500**		20	10	ug/L			12/19/25 19:22	20
Bromobenzene	ND		20	11	ug/L			12/19/25 19:22	20
Bromochloromethane	ND		20	10	ug/L			12/19/25 19:22	20
Bromodichloromethane	ND		20	10	ug/L			12/19/25 19:22	20
Bromoform	ND		100	5.0	ug/L			12/19/25 19:22	20
Bromomethane	ND		20	20	ug/L			12/19/25 19:22	20
2-Butanone (MEK)	ND		500	52	ug/L			12/19/25 19:22	20
Carbon disulfide	ND		20	10	ug/L			12/19/25 19:22	20
Carbon tetrachloride	ND		20	9.2	ug/L			12/19/25 19:22	20
Chlorobenzene	ND		20	8.4	ug/L			12/19/25 19:22	20
Chloroethane	ND		20	15	ug/L			12/19/25 19:22	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			12/19/25 19:22	20
Chloroform	ND		20	18	ug/L			12/19/25 19:22	20
1-Chlorohexane	ND		20	6.4	ug/L			12/19/25 19:22	20
Chloromethane	ND		20	17	ug/L			12/19/25 19:22	20
cis-1,2-Dichloroethene	ND		20	15	ug/L			12/19/25 19:22	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			12/19/25 19:22	20
Dibromochloromethane	ND		20	12	ug/L			12/19/25 19:22	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			12/19/25 19:22	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			12/19/25 19:22	20
1,2-Dichlorobenzene	ND		20	10	ug/L			12/19/25 19:22	20
1,3-Dichlorobenzene	ND		20	11	ug/L			12/19/25 19:22	20
1,4-Dichlorobenzene	ND		20	13	ug/L			12/19/25 19:22	20
Dichlorodifluoromethane	ND		20	17	ug/L			12/19/25 19:22	20
1,1-Dichloroethane	ND		20	10	ug/L			12/19/25 19:22	20
1,2-Dichloroethane	ND		20	11	ug/L			12/19/25 19:22	20
1,1-Dichloroethene	ND		20	10	ug/L			12/19/25 19:22	20
1,2-Dichloropropane	ND		20	10	ug/L			12/19/25 19:22	20
1,3-Dichloropropane	ND		20	10	ug/L			12/19/25 19:22	20
2,2-Dichloropropane	ND		20	10	ug/L			12/19/25 19:22	20
1,1-Dichloropropene	ND		20	6.8	ug/L			12/19/25 19:22	20
1,4-Dioxane	ND		8000	510	ug/L			12/19/25 19:22	20
Ethylbenzene	**10**	**J**	20	10	ug/L			12/19/25 19:22	20
Ethyl methacrylate	ND		20	12	ug/L			12/19/25 19:22	20
Hexachlorobutadiene	ND		100	18	ug/L			12/19/25 19:22	20
2-Hexanone	ND		500	180	ug/L			12/19/25 19:22	20
Isopropylbenzene	ND		20	11	ug/L			12/19/25 19:22	20
Methylene bromide	ND		100	4.4	ug/L			12/19/25 19:22	20
Methylene Chloride	ND		100	80	ug/L			12/19/25 19:22	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			12/19/25 19:22	20
Methyl tert-butyl ether	ND		20	4.4	ug/L			12/19/25 19:22	20
m-Xylene & p-Xylene	ND		100	60	ug/L			12/19/25 19:22	20
Naphthalene	ND		100	60	ug/L			12/19/25 19:22	20
n-Butylbenzene	ND		20	15	ug/L			12/19/25 19:22	20
N-Propylbenzene	ND		20	14	ug/L			12/19/25 19:22	20
o-Chlorotoluene	ND		20	11	ug/L			12/19/25 19:22	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-80-121125
Date Collected: 12/11/25 12:25
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		100	60	ug/L			12/19/25 19:22	20
p-Chlorotoluene	ND		20	11	ug/L			12/19/25 19:22	20
p-Isopropyltoluene	ND		20	14	ug/L			12/19/25 19:22	20
sec-Butylbenzene	ND		20	14	ug/L			12/19/25 19:22	20
Styrene	ND		20	20	ug/L			12/19/25 19:22	20
tert-Butylbenzene	ND		20	13	ug/L			12/19/25 19:22	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			12/19/25 19:22	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			12/19/25 19:22	20
Tetrachloroethene	ND		20	6.6	ug/L			12/19/25 19:22	20
Toluene	ND		20	18	ug/L			12/19/25 19:22	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			12/19/25 19:22	20
trans-1,3-Dichloropropene	ND		100	9.4	ug/L			12/19/25 19:22	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			12/19/25 19:22	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			12/19/25 19:22	20
1,1,1-Trichloroethane	ND		20	7.8	ug/L			12/19/25 19:22	20
1,1,2-Trichloroethane	ND		100	20	ug/L			12/19/25 19:22	20
Trichloroethene	ND		20	9.6	ug/L			12/19/25 19:22	20
Trichlorofluoromethane	ND		20	5.0	ug/L			12/19/25 19:22	20
1,2,3-Trichloropropane	ND		100	17	ug/L			12/19/25 19:22	20
1,2,4-Trimethylbenzene	ND		20	16	ug/L			12/19/25 19:22	20
1,3,5-Trimethylbenzene	ND		20	11	ug/L			12/19/25 19:22	20
Vinyl acetate	ND		500	19	ug/L			12/19/25 19:22	20
Vinyl chloride	ND		20	10	ug/L			12/19/25 19:22	20
Xylenes, Total	ND		200	120	ug/L			12/19/25 19:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*12/19/25 19:22*	*20*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 19:22*	*20*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/19/25 19:22*	*20*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-68-121125
Date Collected: 12/11/25 12:45
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/19/25 11:46	1
Acrolein	ND		20	3.3	ug/L			12/19/25 11:46	1
Acrylonitrile	ND		10	6.7	ug/L			12/19/25 11:46	1
Benzene	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Bromobenzene	ND		1.0	0.54	ug/L			12/19/25 11:46	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/19/25 11:46	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Bromoform	ND		5.0	0.25	ug/L			12/19/25 11:46	1
Bromomethane	ND		1.0	0.98	ug/L			12/19/25 11:46	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/19/25 11:46	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/19/25 11:46	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/19/25 11:46	1
Chloroethane	ND		1.0	0.76	ug/L			12/19/25 11:46	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/19/25 11:46	1
Chloroform	ND		1.0	0.90	ug/L			12/19/25 11:46	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/19/25 11:46	1
Chloromethane	ND		1.0	0.84	ug/L			12/19/25 11:46	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/19/25 11:46	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/19/25 11:46	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/19/25 11:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/19/25 11:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/19/25 11:46	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/19/25 11:46	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/19/25 11:46	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/19/25 11:46	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/19/25 11:46	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/19/25 11:46	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 11:46	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/19/25 11:46	1
1,4-Dioxane	ND		400	26	ug/L			12/19/25 11:46	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/19/25 11:46	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/19/25 11:46	1
2-Hexanone	ND		25	9.1	ug/L			12/19/25 11:46	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/19/25 11:46	1
Methylene bromide	ND		5.0	0.22	ug/L			12/19/25 11:46	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/19/25 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/19/25 11:46	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/19/25 11:46	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/19/25 11:46	1
Naphthalene	ND		5.0	3.0	ug/L			12/19/25 11:46	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/19/25 11:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/25 11:46	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/19/25 11:46	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-68-121125
Date Collected: 12/11/25 12:45
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/19/25 11:46	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/19/25 11:46	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/19/25 11:46	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/19/25 11:46	1
Styrene	ND		1.0	1.0	ug/L			12/19/25 11:46	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/19/25 11:46	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/19/25 11:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/19/25 11:46	1
Toluene	ND		1.0	0.90	ug/L			12/19/25 11:46	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 11:46	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/19/25 11:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/19/25 11:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/19/25 11:46	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/19/25 11:46	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/19/25 11:46	1
Trichloroethene	ND		1.0	0.48	ug/L			12/19/25 11:46	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/19/25 11:46	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/19/25 11:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/19/25 11:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/19/25 11:46	1
Vinyl acetate	ND		25	0.93	ug/L			12/19/25 11:46	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/19/25 11:46	1
Xylenes, Total	ND		10	6.0	ug/L			12/19/25 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/19/25 11:46*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 11:46*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*12/19/25 11:46*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-81-121125
Date Collected: 12/11/25 13:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/19/25 12:06	1
Acrolein	ND		20	3.3	ug/L			12/19/25 12:06	1
Acrylonitrile	ND		10	6.7	ug/L			12/19/25 12:06	1
Benzene	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Bromobenzene	ND		1.0	0.54	ug/L			12/19/25 12:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/19/25 12:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Bromoform	ND		5.0	0.25	ug/L			12/19/25 12:06	1
Bromomethane	ND		1.0	0.98	ug/L			12/19/25 12:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/19/25 12:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/19/25 12:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/19/25 12:06	1
Chloroethane	ND		1.0	0.76	ug/L			12/19/25 12:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/19/25 12:06	1
Chloroform	ND		1.0	0.90	ug/L			12/19/25 12:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/19/25 12:06	1
Chloromethane	ND		1.0	0.84	ug/L			12/19/25 12:06	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/19/25 12:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/19/25 12:06	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/19/25 12:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/19/25 12:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/19/25 12:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/19/25 12:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/19/25 12:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/19/25 12:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/19/25 12:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/19/25 12:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 12:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/19/25 12:06	1
1,4-Dioxane	ND		400	26	ug/L			12/19/25 12:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/19/25 12:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/19/25 12:06	1
2-Hexanone	ND		25	9.1	ug/L			12/19/25 12:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/19/25 12:06	1
Methylene bromide	ND		5.0	0.22	ug/L			12/19/25 12:06	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/19/25 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/19/25 12:06	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/19/25 12:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/19/25 12:06	1
Naphthalene	ND		5.0	3.0	ug/L			12/19/25 12:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/19/25 12:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/25 12:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/19/25 12:06	1

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-81-121125
Date Collected: 12/11/25 13:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.0	3.0	ug/L			12/19/25 12:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/19/25 12:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/19/25 12:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/19/25 12:06	1
Styrene	ND		1.0	1.0	ug/L			12/19/25 12:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/19/25 12:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/19/25 12:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/19/25 12:06	1
Toluene	ND		1.0	0.90	ug/L			12/19/25 12:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 12:06	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/19/25 12:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/19/25 12:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/19/25 12:06	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/19/25 12:06	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/19/25 12:06	1
Trichloroethene	ND		1.0	0.48	ug/L			12/19/25 12:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/19/25 12:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/19/25 12:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/19/25 12:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/19/25 12:06	1
Vinyl acetate	ND		25	0.93	ug/L			12/19/25 12:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/19/25 12:06	1
Xylenes, Total	ND		10	6.0	ug/L			12/19/25 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*12/19/25 12:06*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*12/19/25 12:06*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*12/19/25 12:06*	*1*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-88-121125
Date Collected: 12/11/25 13:30
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			12/19/25 19:01	5
Acrolein	ND		100	17	ug/L			12/19/25 19:01	5
Acrylonitrile	ND		50	34	ug/L			12/19/25 19:01	5
Benzene	**790**		5.0	2.5	ug/L			12/19/25 19:01	5
Bromobenzene	ND		5.0	2.7	ug/L			12/19/25 19:01	5
Bromochloromethane	ND		5.0	2.6	ug/L			12/19/25 19:01	5
Bromodichloromethane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
Bromoform	ND		25	1.3	ug/L			12/19/25 19:01	5
Bromomethane	ND		5.0	4.9	ug/L			12/19/25 19:01	5
2-Butanone (MEK)	ND		130	13	ug/L			12/19/25 19:01	5
Carbon disulfide	ND		5.0	2.5	ug/L			12/19/25 19:01	5
Carbon tetrachloride	ND		5.0	2.3	ug/L			12/19/25 19:01	5
Chlorobenzene	ND		5.0	2.1	ug/L			12/19/25 19:01	5
Chloroethane	ND		5.0	3.8	ug/L			12/19/25 19:01	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			12/19/25 19:01	5
Chloroform	**7.8**		5.0	4.5	ug/L			12/19/25 19:01	5
1-Chlorohexane	ND		5.0	1.6	ug/L			12/19/25 19:01	5
Chloromethane	ND		5.0	4.2	ug/L			12/19/25 19:01	5
cis-1,2-Dichloroethene	ND		5.0	3.8	ug/L			12/19/25 19:01	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			12/19/25 19:01	5
Dibromochloromethane	ND		5.0	3.1	ug/L			12/19/25 19:01	5
1,2-Dibromo-3-Chloropropane	ND		25	7.5	ug/L			12/19/25 19:01	5
1,2-Dibromoethane (EDB)	ND		5.0	1.2	ug/L			12/19/25 19:01	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			12/19/25 19:01	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			12/19/25 19:01	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			12/19/25 19:01	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			12/19/25 19:01	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			12/19/25 19:01	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			12/19/25 19:01	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
1,1-Dichloropropene	ND		5.0	1.7	ug/L			12/19/25 19:01	5
1,4-Dioxane	ND		2000	130	ug/L			12/19/25 19:01	5
Ethylbenzene	**95**		5.0	2.5	ug/L			12/19/25 19:01	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			12/19/25 19:01	5
Hexachlorobutadiene	ND		25	4.5	ug/L			12/19/25 19:01	5
2-Hexanone	ND		130	46	ug/L			12/19/25 19:01	5
Isopropylbenzene	**4.5**	**J**	5.0	2.7	ug/L			12/19/25 19:01	5
Methylene bromide	ND		25	1.1	ug/L			12/19/25 19:01	5
Methylene Chloride	ND		25	20	ug/L			12/19/25 19:01	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			12/19/25 19:01	5
Methyl tert-butyl ether	**4.5**	**J**	5.0	1.1	ug/L			12/19/25 19:01	5
m-Xylene & p-Xylene	**210**		25	15	ug/L			12/19/25 19:01	5
Naphthalene	**16**	**J**	25	15	ug/L			12/19/25 19:01	5
n-Butylbenzene	ND		5.0	3.8	ug/L			12/19/25 19:01	5
N-Propylbenzene	**3.8**	**J**	5.0	3.5	ug/L			12/19/25 19:01	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			12/19/25 19:01	5

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-88-121125
Date Collected: 12/11/25 13:30
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**35**		25	15	ug/L			12/19/25 19:01	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			12/19/25 19:01	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			12/19/25 19:01	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			12/19/25 19:01	5
Styrene	ND		5.0	5.0	ug/L			12/19/25 19:01	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			12/19/25 19:01	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			12/19/25 19:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			12/19/25 19:01	5
Tetrachloroethene	ND		5.0	1.7	ug/L			12/19/25 19:01	5
Toluene	**55**		5.0	4.5	ug/L			12/19/25 19:01	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			12/19/25 19:01	5
trans-1,3-Dichloropropene	ND		25	2.4	ug/L			12/19/25 19:01	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			12/19/25 19:01	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			12/19/25 19:01	5
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			12/19/25 19:01	5
1,1,2-Trichloroethane	ND		25	5.0	ug/L			12/19/25 19:01	5
Trichloroethene	ND		5.0	2.4	ug/L			12/19/25 19:01	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			12/19/25 19:01	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			12/19/25 19:01	5
1,2,4-Trimethylbenzene	**28**		5.0	4.1	ug/L			12/19/25 19:01	5
1,3,5-Trimethylbenzene	**6.5**		5.0	2.8	ug/L			12/19/25 19:01	5
Vinyl acetate	ND		130	4.7	ug/L			12/19/25 19:01	5
Vinyl chloride	ND		5.0	2.5	ug/L			12/19/25 19:01	5
Xylenes, Total	**240**		50	30	ug/L			12/19/25 19:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*12/19/25 19:01*	*5*
Dibromofluoromethane	*105*		*79 - 130*		*12/19/25 19:01*	*5*
Toluene-d8 (Surr)	*98*		*64 - 132*		*12/19/25 19:01*	*5*

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-92-121125
Date Collected: 12/11/25 13:55
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			12/19/25 12:27	20
Acrolein	ND		400	66	ug/L			12/19/25 12:27	20
Acrylonitrile	ND		200	130	ug/L			12/19/25 12:27	20
Benzene	**3600**		20	10	ug/L			12/19/25 12:27	20
Bromobenzene	ND		20	11	ug/L			12/19/25 12:27	20
Bromochloromethane	ND		20	10	ug/L			12/19/25 12:27	20
Bromodichloromethane	ND		20	10	ug/L			12/19/25 12:27	20
Bromoform	ND		100	5.0	ug/L			12/19/25 12:27	20
Bromomethane	ND		20	20	ug/L			12/19/25 12:27	20
2-Butanone (MEK)	ND		500	52	ug/L			12/19/25 12:27	20
Carbon disulfide	ND		20	10	ug/L			12/19/25 12:27	20
Carbon tetrachloride	ND		20	9.2	ug/L			12/19/25 12:27	20
Chlorobenzene	ND		20	8.4	ug/L			12/19/25 12:27	20
Chloroethane	ND		20	15	ug/L			12/19/25 12:27	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			12/19/25 12:27	20
Chloroform	ND		20	18	ug/L			12/19/25 12:27	20
1-Chlorohexane	ND		20	6.4	ug/L			12/19/25 12:27	20
Chloromethane	ND		20	17	ug/L			12/19/25 12:27	20
cis-1,2-Dichloroethene	ND		20	15	ug/L			12/19/25 12:27	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			12/19/25 12:27	20
Dibromochloromethane	ND		20	12	ug/L			12/19/25 12:27	20
1,2-Dibromo-3-Chloropropane	ND		100	30	ug/L			12/19/25 12:27	20
1,2-Dibromoethane (EDB)	ND		20	4.6	ug/L			12/19/25 12:27	20
1,2-Dichlorobenzene	ND		20	10	ug/L			12/19/25 12:27	20
1,3-Dichlorobenzene	ND		20	11	ug/L			12/19/25 12:27	20
1,4-Dichlorobenzene	ND		20	13	ug/L			12/19/25 12:27	20
Dichlorodifluoromethane	ND		20	17	ug/L			12/19/25 12:27	20
1,1-Dichloroethane	ND		20	10	ug/L			12/19/25 12:27	20
1,2-Dichloroethane	ND		20	11	ug/L			12/19/25 12:27	20
1,1-Dichloroethene	ND		20	10	ug/L			12/19/25 12:27	20
1,2-Dichloropropane	ND		20	10	ug/L			12/19/25 12:27	20
1,3-Dichloropropane	ND		20	10	ug/L			12/19/25 12:27	20
2,2-Dichloropropane	ND		20	10	ug/L			12/19/25 12:27	20
1,1-Dichloropropene	ND		20	6.8	ug/L			12/19/25 12:27	20
1,4-Dioxane	ND		8000	510	ug/L			12/19/25 12:27	20
Ethylbenzene	**140**		20	10	ug/L			12/19/25 12:27	20
Ethyl methacrylate	ND		20	12	ug/L			12/19/25 12:27	20
Hexachlorobutadiene	ND		100	18	ug/L			12/19/25 12:27	20
2-Hexanone	ND		500	180	ug/L			12/19/25 12:27	20
Isopropylbenzene	**12**	**J**	20	11	ug/L			12/19/25 12:27	20
Methylene bromide	ND		100	4.4	ug/L			12/19/25 12:27	20
Methylene Chloride	ND		100	80	ug/L			12/19/25 12:27	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			12/19/25 12:27	20
Methyl tert-butyl ether	**7.1**	**J**	20	4.4	ug/L			12/19/25 12:27	20
m-Xylene & p-Xylene	**260**		100	60	ug/L			12/19/25 12:27	20
Naphthalene	ND		100	60	ug/L			12/19/25 12:27	20
n-Butylbenzene	ND		20	15	ug/L			12/19/25 12:27	20
N-Propylbenzene	ND		20	14	ug/L			12/19/25 12:27	20
o-Chlorotoluene	ND		20	11	ug/L			12/19/25 12:27	20

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-92-121125
Date Collected: 12/11/25 13:55
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**74**	**J**	100	60	ug/L			12/19/25 12:27	20
p-Chlorotoluene	ND		20	11	ug/L			12/19/25 12:27	20
p-Isopropyltoluene	ND		20	14	ug/L			12/19/25 12:27	20
sec-Butylbenzene	ND		20	14	ug/L			12/19/25 12:27	20
Styrene	ND		20	20	ug/L			12/19/25 12:27	20
tert-Butylbenzene	ND		20	13	ug/L			12/19/25 12:27	20
1,1,1,2-Tetrachloroethane	ND		20	7.6	ug/L			12/19/25 12:27	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			12/19/25 12:27	20
Tetrachloroethene	ND		20	6.6	ug/L			12/19/25 12:27	20
Toluene	**250**		20	18	ug/L			12/19/25 12:27	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			12/19/25 12:27	20
trans-1,3-Dichloropropene	ND		100	9.4	ug/L			12/19/25 12:27	20
1,2,3-Trichlorobenzene	ND		20	18	ug/L			12/19/25 12:27	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			12/19/25 12:27	20
1,1,1-Trichloroethane	ND		20	7.8	ug/L			12/19/25 12:27	20
1,1,2-Trichloroethane	ND		100	20	ug/L			12/19/25 12:27	20
Trichloroethene	ND		20	9.6	ug/L			12/19/25 12:27	20
Trichlorofluoromethane	ND		20	5.0	ug/L			12/19/25 12:27	20
1,2,3-Trichloropropane	ND		100	17	ug/L			12/19/25 12:27	20
1,2,4-Trimethylbenzene	**37**		20	16	ug/L			12/19/25 12:27	20
1,3,5-Trimethylbenzene	**11**	**J**	20	11	ug/L			12/19/25 12:27	20
Vinyl acetate	ND		500	19	ug/L			12/19/25 12:27	20
Vinyl chloride	ND		20	10	ug/L			12/19/25 12:27	20
Xylenes, Total	**340**		200	120	ug/L			12/19/25 12:27	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*12/19/25 12:27*	*20*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 12:27*	*20*
Toluene-d8 (Surr)	*96*		*64 - 132*		*12/19/25 12:27*	*20*

Definitions/Glossary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-287372-1	TB-WW-121025	97	105	99
400-287372-2 - DL	W-91-121025	98	106	99
400-287372-2	W-91-121025	96	104	97
400-287372-2 MS	W-91-121025	99	104	98
400-287372-2 MSD	W-91-121025	99	104	97
400-287372-3	W-90-121025	104	108	97
400-287372-3 - DL	W-90-121025	100	108	96
400-287372-4	W-90-121025-DUP	106	108	99
400-287372-4 - DL	W-90-121025-DUP	97	107	98
400-287372-5	W-39-121025	97	107	99
400-287372-6	W-39-121025-DUP	98	106	99
400-287372-7	W-72-121025	97	109	99
400-287372-8	W-89-121025	100	108	99
400-287372-8 - DL	W-89-121025	96	107	100
400-287372-9	W-69-121025	98	106	100
400-287372-10	TB-WW-121125	99	105	100
400-287372-11	W-87-121125	95	108	99
400-287372-12	W-77-121125	98	107	98
400-287372-12 MS	W-77-121125	95	105	99
400-287372-12 MSD	W-77-121125	97	106	98
400-287372-13	W-78-121125	97	106	100
400-287372-13 - DL	W-78-121125	93	106	97
400-287372-14	W-80-121125	95	107	99
400-287372-15	W-68-121125	98	107	99
400-287372-16	W-81-121125	99	108	100
400-287372-17	W-88-121125	94	105	98
400-287372-18	W-92-121125	94	107	96
400-287596-B-2 MS	Matrix Spike	94	107	92
400-287596-B-2 MSD	Matrix Spike Duplicate	96	107	97
LCS 400-734197/1002	Lab Control Sample	100	105	98
LCS 400-734376/1002	Lab Control Sample	100	103	100
LCS 400-734573/1002	Lab Control Sample	97	104	99
MB 400-734197/4	Method Blank	98	106	101
MB 400-734376/4	Method Blank	96	107	96
MB 400-734573/4	Method Blank	96	106	97

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

GC/MS VOA

Analysis Batch: 734197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-287372-1	TB-WW-121025	Total/NA	Water	8260D	
400-287372-2	W-91-121025	Total/NA	Water	8260D	
400-287372-2 - DL	W-91-121025	Total/NA	Water	8260D	
400-287372-3	W-90-121025	Total/NA	Water	8260D	
400-287372-4	W-90-121025-DUP	Total/NA	Water	8260D	
400-287372-5	W-39-121025	Total/NA	Water	8260D	
400-287372-6	W-39-121025-DUP	Total/NA	Water	8260D	
400-287372-7	W-72-121025	Total/NA	Water	8260D	
400-287372-8	W-89-121025	Total/NA	Water	8260D	
400-287372-9	W-69-121025	Total/NA	Water	8260D	
400-287372-10	TB-WW-121125	Total/NA	Water	8260D	
MB 400-734197/4	Method Blank	Total/NA	Water	8260D	
LCS 400-734197/1002	Lab Control Sample	Total/NA	Water	8260D	
400-287372-2 MS	W-91-121025	Total/NA	Water	8260D	
400-287372-2 MSD	W-91-121025	Total/NA	Water	8260D	

Analysis Batch: 734376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-287372-3 - DL	W-90-121025	Total/NA	Water	8260D	
400-287372-4 - DL	W-90-121025-DUP	Total/NA	Water	8260D	
400-287372-11	W-87-121125	Total/NA	Water	8260D	
400-287372-12	W-77-121125	Total/NA	Water	8260D	
400-287372-13	W-78-121125	Total/NA	Water	8260D	
400-287372-13 - DL	W-78-121125	Total/NA	Water	8260D	
400-287372-14	W-80-121125	Total/NA	Water	8260D	
400-287372-15	W-68-121125	Total/NA	Water	8260D	
400-287372-16	W-81-121125	Total/NA	Water	8260D	
400-287372-17	W-88-121125	Total/NA	Water	8260D	
400-287372-18	W-92-121125	Total/NA	Water	8260D	
MB 400-734376/4	Method Blank	Total/NA	Water	8260D	
LCS 400-734376/1002	Lab Control Sample	Total/NA	Water	8260D	
400-287372-12 MS	W-77-121125	Total/NA	Water	8260D	
400-287372-12 MSD	W-77-121125	Total/NA	Water	8260D	

Analysis Batch: 734573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-287372-8 - DL	W-89-121025	Total/NA	Water	8260D	
MB 400-734573/4	Method Blank	Total/NA	Water	8260D	
LCS 400-734573/1002	Lab Control Sample	Total/NA	Water	8260D	
400-287596-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
400-287596-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-734197/4
Matrix: Water
Analysis Batch: 734197

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/18/25 12:47	1
Acrolein	ND		20	3.3	ug/L			12/18/25 12:47	1
Acrylonitrile	ND		10	6.7	ug/L			12/18/25 12:47	1
Benzene	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Bromobenzene	ND		1.0	0.54	ug/L			12/18/25 12:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/18/25 12:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Bromoform	ND		5.0	0.25	ug/L			12/18/25 12:47	1
Bromomethane	ND		1.0	0.98	ug/L			12/18/25 12:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/18/25 12:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/18/25 12:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/18/25 12:47	1
Chloroethane	ND		1.0	0.76	ug/L			12/18/25 12:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/18/25 12:47	1
Chloroform	ND		1.0	0.90	ug/L			12/18/25 12:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/18/25 12:47	1
Chloromethane	ND		1.0	0.84	ug/L			12/18/25 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/18/25 12:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/18/25 12:47	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/18/25 12:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/18/25 12:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/18/25 12:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/18/25 12:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/18/25 12:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/18/25 12:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/18/25 12:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/18/25 12:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 12:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/18/25 12:47	1
1,4-Dioxane	ND		400	26	ug/L			12/18/25 12:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/18/25 12:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/18/25 12:47	1
2-Hexanone	ND		25	9.1	ug/L			12/18/25 12:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/18/25 12:47	1
Methylene bromide	ND		5.0	0.22	ug/L			12/18/25 12:47	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/18/25 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/18/25 12:47	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/18/25 12:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/18/25 12:47	1
Naphthalene	ND		5.0	3.0	ug/L			12/18/25 12:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/18/25 12:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/18/25 12:47	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-734197/4
Matrix: Water
Analysis Batch: 734197

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/18/25 12:47	1
o-Xylene	ND		5.0	3.0	ug/L			12/18/25 12:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/18/25 12:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/18/25 12:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/18/25 12:47	1
Styrene	ND		1.0	1.0	ug/L			12/18/25 12:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/18/25 12:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/18/25 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/18/25 12:47	1
Toluene	ND		1.0	0.90	ug/L			12/18/25 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/18/25 12:47	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/18/25 12:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/18/25 12:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/18/25 12:47	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/18/25 12:47	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/18/25 12:47	1
Trichloroethene	ND		1.0	0.48	ug/L			12/18/25 12:47	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/18/25 12:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/18/25 12:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/18/25 12:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/18/25 12:47	1
Vinyl acetate	ND		25	0.93	ug/L			12/18/25 12:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/18/25 12:47	1
Xylenes, Total	ND		10	6.0	ug/L			12/18/25 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*12/18/25 12:47*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*12/18/25 12:47*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*12/18/25 12:47*	*1*

Lab Sample ID: LCS 400-734197/1002
Matrix: Water
Analysis Batch: 734197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	176		ug/L		88	43 - 150
Acrolein	500	544		ug/L		109	38 - 150
Acrylonitrile	500	461		ug/L		92	64 - 142
Benzene	50.0	52.4		ug/L		105	70 - 130
Bromobenzene	50.0	56.6		ug/L		113	70 - 132
Bromochloromethane	50.0	54.2		ug/L		108	70 - 130
Bromodichloromethane	50.0	55.7		ug/L		111	67 - 133
Bromoform	50.0	53.5		ug/L		107	57 - 140
Bromomethane	50.0	50.8		ug/L		102	10 - 150
2-Butanone (MEK)	200	169		ug/L		84	61 - 145
Carbon disulfide	50.0	41.8		ug/L		84	61 - 137
Carbon tetrachloride	50.0	52.0		ug/L		104	61 - 137

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-734197/1002
Matrix: Water
Analysis Batch: 734197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	50.0	53.9		ug/L		108	70 - 130
Chloroethane	50.0	58.2		ug/L		116	55 - 141
2-Chloroethyl vinyl ether	50.0	72.1		ug/L		144	10 - 150
Chloroform	50.0	54.1		ug/L		108	69 - 130
1-Chlorohexane	50.0	56.7		ug/L		113	69 - 130
Chloromethane	50.0	49.5		ug/L		99	58 - 137
cis-1,2-Dichloroethene	50.0	56.2		ug/L		112	68 - 130
cis-1,3-Dichloropropene	50.0	56.3		ug/L		113	69 - 132
Dibromochloromethane	50.0	54.1		ug/L		108	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	46.6		ug/L		93	54 - 135
1,2-Dibromoethane (EDB)	50.0	51.1		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	55.9		ug/L		112	67 - 130
1,3-Dichlorobenzene	50.0	56.8		ug/L		114	70 - 130
1,4-Dichlorobenzene	50.0	56.5		ug/L		113	70 - 130
Dichlorodifluoromethane	50.0	62.2		ug/L		124	41 - 146
1,1-Dichloroethane	50.0	56.0		ug/L		112	70 - 130
1,2-Dichloroethane	50.0	57.1		ug/L		114	69 - 130
1,1-Dichloroethene	50.0	50.7		ug/L		101	63 - 134
1,2-Dichloropropane	50.0	55.8		ug/L		112	70 - 130
1,3-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	52.5		ug/L		105	52 - 135
1,1-Dichloropropene	50.0	52.9		ug/L		106	70 - 130
1,4-Dioxane	1000	843		ug/L		84	50 - 150
Ethylbenzene	50.0	53.6		ug/L		107	70 - 130
Ethyl methacrylate	50.0	51.2		ug/L		102	68 - 130
Hexachlorobutadiene	50.0	61.7		ug/L		123	53 - 140
2-Hexanone	200	186		ug/L		93	65 - 137
Isopropylbenzene	50.0	54.3		ug/L		109	70 - 130
Methylene bromide	50.0	53.5		ug/L		107	70 - 130
Methylene Chloride	50.0	50.1		ug/L		100	66 - 135
4-Methyl-2-pentanone (MIBK)	200	203		ug/L		101	69 - 138
Methyl tert-butyl ether	50.0	54.2		ug/L		108	66 - 130
m-Xylene & p-Xylene	50.0	54.1		ug/L		108	70 - 130
Naphthalene	50.0	51.9		ug/L		104	47 - 149
n-Butylbenzene	50.0	57.8		ug/L		116	67 - 130
N-Propylbenzene	50.0	56.3		ug/L		113	70 - 130
o-Chlorotoluene	50.0	55.3		ug/L		111	70 - 130
o-Xylene	50.0	53.9		ug/L		108	70 - 130
p-Chlorotoluene	50.0	55.7		ug/L		111	70 - 130
p-Isopropyltoluene	50.0	56.9		ug/L		114	65 - 130
sec-Butylbenzene	50.0	55.7		ug/L		111	66 - 130
Styrene	50.0	53.4		ug/L		107	70 - 130
tert-Butylbenzene	50.0	54.1		ug/L		108	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.0		ug/L		106	67 - 131
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	70 - 131
Tetrachloroethene	50.0	52.0		ug/L		104	65 - 130
Toluene	50.0	51.2		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	63 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-734197/1002
Matrix: Water
Analysis Batch: 734197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	57.5		ug/L		115	60 - 138
1,2,4-Trichlorobenzene	50.0	59.2		ug/L		118	60 - 140
1,1,1-Trichloroethane	50.0	54.5		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	70 - 130
Trichloroethene	50.0	53.6		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	55.7		ug/L		111	65 - 138
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	56.3		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	50.0	56.1		ug/L		112	69 - 130
Vinyl acetate	100	123		ug/L		123	26 - 150
Vinyl chloride	50.0	59.2		ug/L		118	59 - 136
Xylenes, Total	100	108		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-287372-2 MS
Matrix: Water
Analysis Batch: 734197

Client Sample ID: W-91-121025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	10000	3320	F1	ug/L		33	43 - 150
Acrolein	ND		25000	23200		ug/L		93	38 - 150
Acrylonitrile	ND		25000	20200		ug/L		81	62 - 149
Benzene	2800		2500	4430		ug/L		65	56 - 142
Bromobenzene	ND	F1 F2	2500	5720	F1	ug/L		229	59 - 136
Bromochloromethane	ND		2500	2200		ug/L		88	64 - 140
Bromodichloromethane	ND		2500	2260		ug/L		90	59 - 143
Bromoform	ND		2500	2140		ug/L		86	50 - 140
Bromomethane	ND		2500	1800		ug/L		72	10 - 150
2-Butanone (MEK)	ND	F1	10000	5140	F1	ug/L		51	55 - 150
Carbon disulfide	ND		2500	1620		ug/L		65	48 - 150
Carbon tetrachloride	ND		2500	1960		ug/L		78	55 - 145
Chlorobenzene	ND		2500	2140		ug/L		85	64 - 130
Chloroethane	ND		2500	1980		ug/L		79	50 - 150
2-Chloroethyl vinyl ether	ND		2500	2510		ug/L		100	10 - 150
Chloroform	ND		2500	2190		ug/L		87	60 - 141
1-Chlorohexane	ND		2500	2160		ug/L		87	56 - 136
Chloromethane	ND		2500	1880		ug/L		75	49 - 148
cis-1,2-Dichloroethene	ND		2500	2230		ug/L		89	59 - 143
cis-1,3-Dichloropropene	ND		2500	2250		ug/L		90	57 - 140
Dibromochloromethane	ND		2500	2160		ug/L		87	56 - 143
1,2-Dibromo-3-Chloropropane	ND		2500	2010		ug/L		80	45 - 135
1,2-Dibromoethane (EDB)	ND		2500	2120		ug/L		85	64 - 132
1,2-Dichlorobenzene	ND		2500	2260		ug/L		90	52 - 137
1,3-Dichlorobenzene	ND		2500	2250		ug/L		90	54 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-2 MS
Matrix: Water
Analysis Batch: 734197

Client Sample ID: W-91-121025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	ND		2500	2240		ug/L		90	53 - 135
Dichlorodifluoromethane	ND		2500	2350		ug/L		94	16 - 150
1,1-Dichloroethane	ND		2500	2240		ug/L		90	61 - 144
1,2-Dichloroethane	ND		2500	2380		ug/L		95	60 - 141
1,1-Dichloroethene	ND		2500	2010		ug/L		80	54 - 147
1,2-Dichloropropane	ND		2500	2280		ug/L		91	66 - 137
1,3-Dichloropropane	ND		2500	2180		ug/L		87	66 - 133
2,2-Dichloropropane	ND		2500	2040		ug/L		82	42 - 144
1,1-Dichloropropene	ND		2500	2060		ug/L		83	65 - 136
1,4-Dioxane	ND		50000	39000		ug/L		78	10 - 150
Ethylbenzene	1900		2500	3750		ug/L		72	58 - 131
Ethyl methacrylate	ND		2500	2180		ug/L		87	64 - 130
Hexachlorobutadiene	ND		2500	2310		ug/L		92	31 - 149
2-Hexanone	ND	F1	10000	6250	F1	ug/L		63	65 - 140
Isopropylbenzene	88		2500	2220		ug/L		85	56 - 133
Methylene bromide	ND		2500	2210		ug/L		88	63 - 138
Methylene Chloride	ND		2500	2090		ug/L		84	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		10000	8550		ug/L		85	63 - 146
Methyl tert-butyl ether	ND		2500	2280		ug/L		91	59 - 137
m-Xylene & p-Xylene	5400	F1	2500	6640	F1	ug/L		49	57 - 130
Naphthalene	160	J	2500	2280		ug/L		85	25 - 150
n-Butylbenzene	59		2500	2290		ug/L		89	41 - 142
N-Propylbenzene	280		2500	2450		ug/L		87	51 - 138
o-Chlorotoluene	ND		2500	2310		ug/L		92	53 - 134
o-Xylene	2300		2500	4070		ug/L		73	61 - 130
p-Chlorotoluene	ND		2500	2190		ug/L		88	54 - 133
p-Isopropyltoluene	ND		2500	2200		ug/L		88	48 - 139
sec-Butylbenzene	ND		2500	2180		ug/L		87	50 - 138
Styrene	ND		2500	2180		ug/L		87	58 - 131
tert-Butylbenzene	ND		2500	2160		ug/L		86	54 - 146
1,1,1,2-Tetrachloroethane	ND		2500	2110		ug/L		84	59 - 137
1,1,2,2-Tetrachloroethane	ND		2500	2120		ug/L		85	66 - 135
Tetrachloroethene	ND		2500	1950		ug/L		78	52 - 133
Toluene	10000	F1	2500	10300	F1	ug/L		15	65 - 130
trans-1,2-Dichloroethene	ND		2500	2060		ug/L		82	61 - 143
trans-1,3-Dichloropropene	ND		2500	2130		ug/L		85	53 - 133
1,2,3-Trichlorobenzene	ND		2500	2350		ug/L		94	43 - 145
1,2,4-Trichlorobenzene	ND		2500	2310		ug/L		93	39 - 148
1,1,1-Trichloroethane	ND		2500	2100		ug/L		84	57 - 142
1,1,2-Trichloroethane	ND		2500	2230		ug/L		89	66 - 131
Trichloroethene	ND		2500	2080		ug/L		83	64 - 136
Trichlorofluoromethane	ND		2500	2150		ug/L		86	54 - 150
1,2,3-Trichloropropane	ND		2500	2090		ug/L		84	65 - 133
1,2,4-Trimethylbenzene	990		2500	3050		ug/L		83	50 - 139
1,3,5-Trimethylbenzene	310		2500	2460		ug/L		86	52 - 135
Vinyl acetate	ND		5000	5130		ug/L		103	26 - 150
Vinyl chloride	ND		2500	2200		ug/L		88	46 - 150
Xylenes, Total	7700		5000	10700		ug/L		61	59 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-2 MS
Matrix: Water
Analysis Batch: 734197

Client Sample ID: W-91-121025
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-287372-2 MSD
Matrix: Water
Analysis Batch: 734197

Client Sample ID: W-91-121025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1	10000	3510	F1	ug/L		35	43 - 150	5	30
Acrolein	ND		25000	23600		ug/L		94	38 - 150	2	31
Acrylonitrile	ND		25000	21300		ug/L		85	62 - 149	5	30
Benzene	2800		2500	4760		ug/L		78	56 - 142	7	30
Bromobenzene	ND	F1 F2	2500	2870	F2	ug/L		115	59 - 136	67	30
Bromochloromethane	ND		2500	2470		ug/L		99	64 - 140	12	30
Bromodichloromethane	ND		2500	2510		ug/L		100	59 - 143	10	30
Bromoform	ND		2500	2270		ug/L		91	50 - 140	6	30
Bromomethane	ND		2500	1930		ug/L		77	10 - 150	7	50
2-Butanone (MEK)	ND	F1	10000	5360	F1	ug/L		54	55 - 150	4	30
Carbon disulfide	ND		2500	1830		ug/L		73	48 - 150	12	30
Carbon tetrachloride	ND		2500	2200		ug/L		88	55 - 145	11	30
Chlorobenzene	ND		2500	2380		ug/L		95	64 - 130	11	30
Chloroethane	ND		2500	2210		ug/L		88	50 - 150	11	30
2-Chloroethyl vinyl ether	ND		2500	2540		ug/L		102	10 - 150	1	50
Chloroform	ND		2500	2440		ug/L		98	60 - 141	11	30
1-Chlorohexane	ND		2500	2400		ug/L		96	56 - 136	10	30
Chloromethane	ND		2500	2110		ug/L		84	49 - 148	11	31
cis-1,2-Dichloroethene	ND		2500	2490		ug/L		100	59 - 143	11	30
cis-1,3-Dichloropropene	ND		2500	2520		ug/L		101	57 - 140	11	30
Dibromochloromethane	ND		2500	2370		ug/L		95	56 - 143	9	30
1,2-Dibromo-3-Chloropropane	ND		2500	2080		ug/L		83	45 - 135	3	30
1,2-Dibromoethane (EDB)	ND		2500	2270		ug/L		91	64 - 132	7	30
1,2-Dichlorobenzene	ND		2500	2450		ug/L		98	52 - 137	8	30
1,3-Dichlorobenzene	ND		2500	2420		ug/L		97	54 - 135	8	30
1,4-Dichlorobenzene	ND		2500	2430		ug/L		97	53 - 135	8	30
Dichlorodifluoromethane	ND		2500	2630		ug/L		105	16 - 150	11	31
1,1-Dichloroethane	ND		2500	2470		ug/L		99	61 - 144	10	30
1,2-Dichloroethane	ND		2500	2630		ug/L		105	60 - 141	10	30
1,1-Dichloroethene	ND		2500	2210		ug/L		89	54 - 147	10	30
1,2-Dichloropropane	ND		2500	2510		ug/L		101	66 - 137	10	30
1,3-Dichloropropane	ND		2500	2330		ug/L		93	66 - 133	7	30
2,2-Dichloropropane	ND		2500	2290		ug/L		91	42 - 144	11	31
1,1-Dichloropropene	ND		2500	2350		ug/L		94	65 - 136	13	30
1,4-Dioxane	ND		50000	39000		ug/L		78	10 - 150	0	50
Ethylbenzene	1900		2500	4040		ug/L		84	58 - 131	7	30
Ethyl methacrylate	ND		2500	2300		ug/L		92	64 - 130	5	30
Hexachlorobutadiene	ND		2500	2560		ug/L		102	31 - 149	10	36
2-Hexanone	ND	F1	10000	6380	F1	ug/L		64	65 - 140	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-2 MSD
Matrix: Water
Analysis Batch: 734197

Client Sample ID: W-91-121025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isopropylbenzene	88		2500	2490		ug/L		96	56 - 133	11	30
Methylene bromide	ND		2500	2390		ug/L		96	63 - 138	8	30
Methylene Chloride	ND		2500	2280		ug/L		91	60 - 146	9	32
4-Methyl-2-pentanone (MIBK)	ND		10000	9070		ug/L		91	63 - 146	6	30
Methyl tert-butyl ether	ND		2500	2440		ug/L		98	59 - 137	7	30
m-Xylene & p-Xylene	5400	F1	2500	7020		ug/L		64	57 - 130	6	30
Naphthalene	160	J	2500	2370		ug/L		88	25 - 150	4	30
n-Butylbenzene	59		2500	2460		ug/L		96	41 - 142	7	31
N-Propylbenzene	280		2500	2610		ug/L		93	51 - 138	6	30
o-Chlorotoluene	ND		2500	2480		ug/L		99	53 - 134	7	30
o-Xylene	2300		2500	4400		ug/L		86	61 - 130	8	30
p-Chlorotoluene	ND		2500	2370		ug/L		95	54 - 133	8	30
p-Isopropyltoluene	ND		2500	2420		ug/L		97	48 - 139	9	30
sec-Butylbenzene	ND		2500	2420		ug/L		97	50 - 138	10	30
Styrene	ND		2500	2420		ug/L		97	58 - 131	10	30
tert-Butylbenzene	ND		2500	2370		ug/L		95	54 - 146	10	30
1,1,1,2-Tetrachloroethane	ND		2500	2380		ug/L		95	59 - 137	12	30
1,1,2,2-Tetrachloroethane	ND		2500	2210		ug/L		88	66 - 135	4	30
Tetrachloroethene	ND		2500	2170		ug/L		87	52 - 133	11	30
Toluene	10000	F1	2500	10800	F1	ug/L		35	65 - 130	5	30
trans-1,2-Dichloroethene	ND		2500	2250		ug/L		90	61 - 143	9	30
trans-1,3-Dichloropropene	ND		2500	2310		ug/L		92	53 - 133	8	30
1,2,3-Trichlorobenzene	ND		2500	2500		ug/L		100	43 - 145	6	30
1,2,4-Trichlorobenzene	ND		2500	2490		ug/L		100	39 - 148	7	30
1,1,1-Trichloroethane	ND		2500	2370		ug/L		95	57 - 142	12	30
1,1,2-Trichloroethane	ND		2500	2410		ug/L		96	66 - 131	8	30
Trichloroethene	ND		2500	2350		ug/L		94	64 - 136	12	30
Trichlorofluoromethane	ND		2500	2430		ug/L		97	54 - 150	12	30
1,2,3-Trichloropropane	ND		2500	2180		ug/L		87	65 - 133	4	30
1,2,4-Trimethylbenzene	990		2500	3260		ug/L		91	50 - 139	7	30
1,3,5-Trimethylbenzene	310		2500	2640		ug/L		93	52 - 135	7	30
Vinyl acetate	ND		5000	5360		ug/L		107	26 - 150	4	33
Vinyl chloride	ND		2500	2500		ug/L		100	46 - 150	12	30
Xylenes, Total	7700		5000	11400		ug/L		75	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: MB 400-734376/4
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			12/19/25 10:44	1
Acrolein	ND		20	3.3	ug/L			12/19/25 10:44	1
Acrylonitrile	ND		10	6.7	ug/L			12/19/25 10:44	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-734376/4
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Bromobenzene	ND		1.0	0.54	ug/L			12/19/25 10:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			12/19/25 10:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Bromoform	ND		5.0	0.25	ug/L			12/19/25 10:44	1
Bromomethane	ND		1.0	0.98	ug/L			12/19/25 10:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			12/19/25 10:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Carbon tetrachloride	ND		1.0	0.46	ug/L			12/19/25 10:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			12/19/25 10:44	1
Chloroethane	ND		1.0	0.76	ug/L			12/19/25 10:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			12/19/25 10:44	1
Chloroform	ND		1.0	0.90	ug/L			12/19/25 10:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			12/19/25 10:44	1
Chloromethane	ND		1.0	0.84	ug/L			12/19/25 10:44	1
cis-1,2-Dichloroethene	ND		1.0	0.76	ug/L			12/19/25 10:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			12/19/25 10:44	1
Dibromochloromethane	ND		1.0	0.61	ug/L			12/19/25 10:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.5	ug/L			12/19/25 10:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.23	ug/L			12/19/25 10:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			12/19/25 10:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			12/19/25 10:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			12/19/25 10:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			12/19/25 10:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			12/19/25 10:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 10:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
1,1-Dichloropropene	ND		1.0	0.34	ug/L			12/19/25 10:44	1
1,4-Dioxane	ND		400	26	ug/L			12/19/25 10:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			12/19/25 10:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			12/19/25 10:44	1
2-Hexanone	ND		25	9.1	ug/L			12/19/25 10:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			12/19/25 10:44	1
Methylene bromide	ND		5.0	0.22	ug/L			12/19/25 10:44	1
Methylene Chloride	ND		5.0	4.0	ug/L			12/19/25 10:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			12/19/25 10:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			12/19/25 10:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/19/25 10:44	1
Naphthalene	ND		5.0	3.0	ug/L			12/19/25 10:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			12/19/25 10:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/25 10:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			12/19/25 10:44	1
o-Xylene	ND		5.0	3.0	ug/L			12/19/25 10:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			12/19/25 10:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			12/19/25 10:44	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-734376/4
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			12/19/25 10:44	1
Styrene	ND		1.0	1.0	ug/L			12/19/25 10:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			12/19/25 10:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			12/19/25 10:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			12/19/25 10:44	1
Toluene	ND		1.0	0.90	ug/L			12/19/25 10:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			12/19/25 10:44	1
trans-1,3-Dichloropropene	ND		5.0	0.47	ug/L			12/19/25 10:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			12/19/25 10:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			12/19/25 10:44	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			12/19/25 10:44	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			12/19/25 10:44	1
Trichloroethene	ND		1.0	0.48	ug/L			12/19/25 10:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			12/19/25 10:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			12/19/25 10:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			12/19/25 10:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			12/19/25 10:44	1
Vinyl acetate	ND		25	0.93	ug/L			12/19/25 10:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			12/19/25 10:44	1
Xylenes, Total	ND		10	6.0	ug/L			12/19/25 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*12/19/25 10:44*	*1*
Dibromofluoromethane	*107*		*79 - 130*		*12/19/25 10:44*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*12/19/25 10:44*	*1*

Lab Sample ID: LCS 400-734376/1002
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	174		ug/L		87	43 - 150
Acrolein	500	564		ug/L		113	38 - 150
Acrylonitrile	500	420		ug/L		84	64 - 142
Benzene	50.0	48.2		ug/L		96	70 - 130
Bromobenzene	50.0	51.5		ug/L		103	70 - 132
Bromochloromethane	50.0	48.3		ug/L		97	70 - 130
Bromodichloromethane	50.0	50.0		ug/L		100	67 - 133
Bromoform	50.0	49.9		ug/L		100	57 - 140
Bromomethane	50.0	50.8		ug/L		102	10 - 150
2-Butanone (MEK)	200	157		ug/L		79	61 - 145
Carbon disulfide	50.0	38.8		ug/L		78	61 - 137
Carbon tetrachloride	50.0	48.6		ug/L		97	61 - 137
Chlorobenzene	50.0	50.0		ug/L		100	70 - 130
Chloroethane	50.0	60.9		ug/L		122	55 - 141
2-Chloroethyl vinyl ether	50.0	71.6		ug/L		143	10 - 150
Chloroform	50.0	49.5		ug/L		99	69 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-734376/1002
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Chlorohexane	50.0	54.4		ug/L		109	69 - 130
Chloromethane	50.0	49.8		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	51.9		ug/L		104	68 - 130
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	69 - 132
Dibromochloromethane	50.0	48.9		ug/L		98	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/L		85	54 - 135
1,2-Dibromoethane (EDB)	50.0	45.9		ug/L		92	70 - 130
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	67 - 130
1,3-Dichlorobenzene	50.0	52.1		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	64.9		ug/L		130	41 - 146
1,1-Dichloroethane	50.0	52.2		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	52.2		ug/L		104	69 - 130
1,1-Dichloroethene	50.0	41.8		ug/L		84	63 - 134
1,2-Dichloropropane	50.0	51.2		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	49.8		ug/L		100	52 - 135
1,1-Dichloropropene	50.0	49.6		ug/L		99	70 - 130
1,4-Dioxane	1000	796		ug/L		80	50 - 150
Ethylbenzene	50.0	50.0		ug/L		100	70 - 130
Ethyl methacrylate	50.0	45.7		ug/L		91	68 - 130
Hexachlorobutadiene	50.0	58.5		ug/L		117	53 - 140
2-Hexanone	200	175		ug/L		87	65 - 137
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130
Methylene bromide	50.0	46.3		ug/L		93	70 - 130
Methylene Chloride	50.0	44.4		ug/L		89	66 - 135
4-Methyl-2-pentanone (MIBK)	200	185		ug/L		92	69 - 138
Methyl tert-butyl ether	50.0	48.1		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	49.8		ug/L		100	70 - 130
Naphthalene	50.0	45.4		ug/L		91	47 - 149
n-Butylbenzene	50.0	55.3		ug/L		111	67 - 130
N-Propylbenzene	50.0	53.2		ug/L		106	70 - 130
o-Chlorotoluene	50.0	52.2		ug/L		104	70 - 130
o-Xylene	50.0	50.0		ug/L		100	70 - 130
p-Chlorotoluene	50.0	51.7		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	53.3		ug/L		107	65 - 130
sec-Butylbenzene	50.0	53.1		ug/L		106	66 - 130
Styrene	50.0	48.6		ug/L		97	70 - 130
tert-Butylbenzene	50.0	52.0		ug/L		104	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.1		ug/L		90	70 - 131
Tetrachloroethene	50.0	49.7		ug/L		99	65 - 130
Toluene	50.0	47.4		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	51.8		ug/L		104	60 - 138
1,2,4-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	68 - 130
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-734376/1002
Matrix: Water
Analysis Batch: 734376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	50.0	49.0		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	62.0		ug/L		124	65 - 138
1,2,3-Trichloropropane	50.0	45.6		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	52.5		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	52.3		ug/L		105	69 - 130
Vinyl acetate	100	120		ug/L		120	26 - 150
Vinyl chloride	50.0	61.8		ug/L		124	59 - 136
Xylenes, Total	100	99.8		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*103*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-287372-12 MS
Matrix: Water
Analysis Batch: 734376

Client Sample ID: W-77-121125
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	77.8	F1	ug/L		39	43 - 150
Acrolein	ND		500	443		ug/L		89	38 - 150
Acrylonitrile	ND		500	443		ug/L		89	62 - 149
Benzene	2.1		50.0	44.0		ug/L		84	56 - 142
Bromobenzene	ND		50.0	39.9		ug/L		80	59 - 136
Bromochloromethane	ND		50.0	45.7		ug/L		91	64 - 140
Bromodichloromethane	ND		50.0	45.2		ug/L		90	59 - 143
Bromoform	ND		50.0	43.0		ug/L		86	50 - 140
Bromomethane	ND		50.0	35.1		ug/L		70	10 - 150
2-Butanone (MEK)	ND		200	111		ug/L		56	55 - 150
Carbon disulfide	ND		50.0	40.5		ug/L		81	48 - 150
Carbon tetrachloride	ND		50.0	41.1		ug/L		82	55 - 145
Chlorobenzene	ND		50.0	40.5		ug/L		81	64 - 130
Chloroethane	ND		50.0	42.0		ug/L		84	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	43.9		ug/L		88	60 - 141
1-Chlorohexane	ND		50.0	40.2		ug/L		80	56 - 136
Chloromethane	ND		50.0	31.0		ug/L		62	49 - 148
cis-1,2-Dichloroethene	ND		50.0	56.4		ug/L		113	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.2		ug/L		88	57 - 140
Dibromochloromethane	ND		50.0	44.9		ug/L		90	56 - 143
1,2-Dibromo-3-Chloropropane	ND		50.0	40.6		ug/L		81	45 - 135
1,2-Dibromoethane (EDB)	ND		50.0	43.2		ug/L		86	64 - 132
1,2-Dichlorobenzene	ND		50.0	39.2		ug/L		78	52 - 137
1,3-Dichlorobenzene	ND		50.0	38.3		ug/L		77	54 - 135
1,4-Dichlorobenzene	ND		50.0	38.3		ug/L		77	53 - 135
Dichlorodifluoromethane	ND		50.0	37.3		ug/L		75	16 - 150
1,1-Dichloroethane	ND		50.0	44.7		ug/L		89	61 - 144
1,2-Dichloroethane	ND		50.0	48.1		ug/L		96	60 - 141

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-12 MS
Matrix: Water
Analysis Batch: 734376

Client Sample ID: W-77-121125
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		50.0	42.1		ug/L		84	54 - 147
1,2-Dichloropropane	ND		50.0	44.8		ug/L		90	66 - 137
1,3-Dichloropropane	ND		50.0	43.7		ug/L		87	66 - 133
2,2-Dichloropropane	ND		50.0	41.1		ug/L		82	42 - 144
1,1-Dichloropropene	ND		50.0	42.3		ug/L		85	65 - 136
1,4-Dioxane	ND		1000	753		ug/L		75	10 - 150
Ethylbenzene	ND		50.0	39.7		ug/L		79	58 - 131
Ethyl methacrylate	ND		50.0	43.5		ug/L		87	64 - 130
Hexachlorobutadiene	ND		50.0	35.8		ug/L		72	31 - 149
2-Hexanone	ND		200	136		ug/L		68	65 - 140
Isopropylbenzene	ND		50.0	38.9		ug/L		78	56 - 133
Methylene bromide	ND		50.0	45.6		ug/L		91	63 - 138
Methylene Chloride	ND		50.0	41.2		ug/L		82	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	186		ug/L		93	63 - 146
Methyl tert-butyl ether	ND		50.0	46.6		ug/L		93	59 - 137
m-Xylene & p-Xylene	ND		50.0	39.7		ug/L		79	57 - 130
Naphthalene	ND		50.0	40.4		ug/L		81	25 - 150
n-Butylbenzene	ND		50.0	36.1		ug/L		72	41 - 142
N-Propylbenzene	ND		50.0	36.4		ug/L		73	51 - 138
o-Chlorotoluene	ND		50.0	37.9		ug/L		76	53 - 134
o-Xylene	ND		50.0	40.4		ug/L		81	61 - 130
p-Chlorotoluene	ND		50.0	37.5		ug/L		75	54 - 133
p-Isopropyltoluene	ND		50.0	36.0		ug/L		72	48 - 139
sec-Butylbenzene	ND		50.0	36.2		ug/L		72	50 - 138
Styrene	ND		50.0	40.4		ug/L		81	58 - 131
tert-Butylbenzene	ND		50.0	36.0		ug/L		72	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	42.1		ug/L		84	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	41.1		ug/L		82	66 - 135
Tetrachloroethene	ND		50.0	38.6		ug/L		77	52 - 133
Toluene	ND		50.0	39.0		ug/L		78	65 - 130
trans-1,2-Dichloroethene	ND		50.0	42.6		ug/L		85	61 - 143
trans-1,3-Dichloropropene	ND		50.0	43.1		ug/L		86	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	41.0		ug/L		82	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	40.6		ug/L		81	39 - 148
1,1,1-Trichloroethane	ND		50.0	42.5		ug/L		85	57 - 142
1,1,2-Trichloroethane	ND		50.0	43.7		ug/L		87	66 - 131
Trichloroethene	ND		50.0	40.8		ug/L		82	64 - 136
Trichlorofluoromethane	ND		50.0	38.4		ug/L		77	54 - 150
1,2,3-Trichloropropane	ND		50.0	40.7		ug/L		81	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	37.5		ug/L		75	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	37.1		ug/L		74	52 - 135
Vinyl acetate	ND		100	91.0		ug/L		91	26 - 150
Vinyl chloride	ND		50.0	38.0		ug/L		76	46 - 150
Xylenes, Total	ND		100	80.1		ug/L		80	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-12 MS
Matrix: Water
Analysis Batch: 734376

Client Sample ID: W-77-121125
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-287372-12 MSD
Matrix: Water
Analysis Batch: 734376

Client Sample ID: W-77-121125
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F1	200	88.2		ug/L		44	43 - 150	13	30
Acrolein	ND		500	502		ug/L		100	38 - 150	12	31
Acrylonitrile	ND		500	504		ug/L		101	62 - 149	13	30
Benzene	2.1		50.0	49.3		ug/L		94	56 - 142	11	30
Bromobenzene	ND		50.0	42.2		ug/L		84	59 - 136	6	30
Bromochloromethane	ND		50.0	51.4		ug/L		103	64 - 140	12	30
Bromodichloromethane	ND		50.0	49.8		ug/L		100	59 - 143	10	30
Bromoform	ND		50.0	46.8		ug/L		94	50 - 140	8	30
Bromomethane	ND		50.0	40.4		ug/L		81	10 - 150	14	50
2-Butanone (MEK)	ND		200	124		ug/L		62	55 - 150	11	30
Carbon disulfide	ND		50.0	46.2		ug/L		92	48 - 150	13	30
Carbon tetrachloride	ND		50.0	45.7		ug/L		91	55 - 145	10	30
Chlorobenzene	ND		50.0	42.8		ug/L		86	64 - 130	6	30
Chloroethane	ND		50.0	45.0		ug/L		90	50 - 150	7	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	48.3		ug/L		97	60 - 141	9	30
1-Chlorohexane	ND		50.0	44.1		ug/L		88	56 - 136	9	30
Chloromethane	ND		50.0	35.2		ug/L		70	49 - 148	13	31
cis-1,2-Dichloroethene	ND		50.0	63.0		ug/L		126	59 - 143	11	30
cis-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	57 - 140	12	30
Dibromochloromethane	ND		50.0	47.3		ug/L		95	56 - 143	5	30
1,2-Dibromo-3-Chloropropane	ND		50.0	43.6		ug/L		87	45 - 135	7	30
1,2-Dibromoethane (EDB)	ND		50.0	46.1		ug/L		92	64 - 132	7	30
1,2-Dichlorobenzene	ND		50.0	40.5		ug/L		81	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	39.7		ug/L		79	54 - 135	3	30
1,4-Dichlorobenzene	ND		50.0	38.9		ug/L		78	53 - 135	2	30
Dichlorodifluoromethane	ND		50.0	41.5		ug/L		83	16 - 150	10	31
1,1-Dichloroethane	ND		50.0	49.9		ug/L		100	61 - 144	11	30
1,2-Dichloroethane	ND		50.0	53.2		ug/L		106	60 - 141	10	30
1,1-Dichloroethene	ND		50.0	47.8		ug/L		96	54 - 147	13	30
1,2-Dichloropropane	ND		50.0	49.6		ug/L		99	66 - 137	10	30
1,3-Dichloropropane	ND		50.0	46.9		ug/L		94	66 - 133	7	30
2,2-Dichloropropane	ND		50.0	46.3		ug/L		93	42 - 144	12	31
1,1-Dichloropropene	ND		50.0	48.2		ug/L		96	65 - 136	13	30
1,4-Dioxane	ND		1000	921		ug/L		92	10 - 150	20	50
Ethylbenzene	ND		50.0	42.1		ug/L		84	58 - 131	6	30
Ethyl methacrylate	ND		50.0	47.5		ug/L		95	64 - 130	9	30
Hexachlorobutadiene	ND		50.0	38.0		ug/L		76	31 - 149	6	36
2-Hexanone	ND		200	147		ug/L		74	65 - 140	8	30
Isopropylbenzene	ND		50.0	41.1		ug/L		82	56 - 133	6	30
Methylene bromide	ND		50.0	50.6		ug/L		101	63 - 138	10	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287372-12 MSD
Matrix: Water
Analysis Batch: 734376

Client Sample ID: W-77-121125
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		50.0	46.3		ug/L		93	60 - 146	12	32
4-Methyl-2-pentanone (MIBK)	ND		200	208		ug/L		104	63 - 146	11	30
Methyl tert-butyl ether	ND		50.0	52.7		ug/L		105	59 - 137	12	30
m-Xylene & p-Xylene	ND		50.0	42.0		ug/L		84	57 - 130	6	30
Naphthalene	ND		50.0	41.8		ug/L		84	25 - 150	3	30
n-Butylbenzene	ND		50.0	38.1		ug/L		76	41 - 142	5	31
N-Propylbenzene	ND		50.0	39.5		ug/L		79	51 - 138	8	30
o-Chlorotoluene	ND		50.0	40.3		ug/L		81	53 - 134	6	30
o-Xylene	ND		50.0	43.0		ug/L		86	61 - 130	6	30
p-Chlorotoluene	ND		50.0	39.1		ug/L		78	54 - 133	4	30
p-Isopropyltoluene	ND		50.0	38.5		ug/L		77	48 - 139	7	30
sec-Butylbenzene	ND		50.0	39.2		ug/L		78	50 - 138	8	30
Styrene	ND		50.0	41.6		ug/L		83	58 - 131	3	30
tert-Butylbenzene	ND		50.0	39.4		ug/L		79	54 - 146	9	30
1,1,1,2-Tetrachloroethane	ND		50.0	44.1		ug/L		88	59 - 137	5	30
1,1,2,2-Tetrachloroethane	ND		50.0	44.8		ug/L		90	66 - 135	9	30
Tetrachloroethene	ND		50.0	41.0		ug/L		82	52 - 133	6	30
Toluene	ND		50.0	42.2		ug/L		84	65 - 130	8	30
trans-1,2-Dichloroethene	ND		50.0	47.4		ug/L		95	61 - 143	11	30
trans-1,3-Dichloropropene	ND		50.0	45.4		ug/L		91	53 - 133	5	30
1,2,3-Trichlorobenzene	ND		50.0	41.1		ug/L		82	43 - 145	0	30
1,2,4-Trichlorobenzene	ND		50.0	39.7		ug/L		79	39 - 148	2	30
1,1,1-Trichloroethane	ND		50.0	47.6		ug/L		95	57 - 142	11	30
1,1,2-Trichloroethane	ND		50.0	46.9		ug/L		94	66 - 131	7	30
Trichloroethene	ND		50.0	46.4		ug/L		93	64 - 136	13	30
Trichlorofluoromethane	ND		50.0	43.9		ug/L		88	54 - 150	13	30
1,2,3-Trichloropropane	ND		50.0	45.4		ug/L		91	65 - 133	11	30
1,2,4-Trimethylbenzene	ND		50.0	39.5		ug/L		79	50 - 139	5	30
1,3,5-Trimethylbenzene	ND		50.0	39.7		ug/L		79	52 - 135	7	30
Vinyl acetate	ND		100	104		ug/L		104	26 - 150	13	33
Vinyl chloride	ND		50.0	42.4		ug/L		85	46 - 150	11	30
Xylenes, Total	ND		100	85.0		ug/L		85	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*106*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: MB 400-734573/4
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.50	ug/L			12/22/25 13:18	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			12/22/25 13:18	1
o-Xylene	ND		5.0	3.0	ug/L			12/22/25 13:18	1
Toluene	ND		1.0	0.90	ug/L			12/22/25 13:18	1
Xylenes, Total	ND		10	6.0	ug/L			12/22/25 13:18	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-734573/4
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		56 - 136		12/22/25 13:18	1
Dibromofluoromethane	106		79 - 130		12/22/25 13:18	1
Toluene-d8 (Surr)	97		64 - 132		12/22/25 13:18	1

Lab Sample ID: LCS 400-734573/1002
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	54.6		ug/L		109	70 - 130
m-Xylene & p-Xylene	50.0	54.0		ug/L		108	70 - 130
o-Xylene	50.0	55.3		ug/L		111	70 - 130
Toluene	50.0	52.9		ug/L		106	70 - 130
Xylenes, Total	100	109		ug/L		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		56 - 136
Dibromofluoromethane	104		79 - 130
Toluene-d8 (Surr)	99		64 - 132

Lab Sample ID: 400-287596-B-2 MS
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	66		50.0	112		ug/L		92	56 - 142
m-Xylene & p-Xylene	20		50.0	68.6		ug/L		97	57 - 130
o-Xylene	9.1		50.0	59.8		ug/L		101	61 - 130
Toluene	6.9		50.0	51.9		ug/L		90	65 - 130
Xylenes, Total	29		100	128		ug/L		99	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	94		56 - 136
Dibromofluoromethane	107		79 - 130
Toluene-d8 (Surr)	92		64 - 132

Lab Sample ID: 400-287596-B-2 MSD
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	66		50.0	111		ug/L		90	56 - 142	1	30
m-Xylene & p-Xylene	20		50.0	65.9		ug/L		91	57 - 130	4	30
o-Xylene	9.1		50.0	56.8		ug/L		95	61 - 130	5	30
Toluene	6.9		50.0	53.1		ug/L		92	65 - 130	2	30
Xylenes, Total	29		100	123		ug/L		93	59 - 130	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-287596-B-2 MSD
Matrix: Water
Analysis Batch: 734573

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*96*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Chronicle

Client: AECOM
Job ID: 400-287372-1
Project/Site: WRR WATER WELLS

Client Sample ID: TB-WW-121025
Lab Sample ID: 400-287372-1
Date Collected: 12/10/25 00:00
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 17:24	RSG	EET PEN

Client Sample ID: W-91-121025
Lab Sample ID: 400-287372-2
Date Collected: 12/10/25 10:00
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	734197	12/18/25 13:57	RSG	EET PEN
Total/NA	Analysis	8260D	DL	50	5 mL	5 mL	734197	12/18/25 14:38	RSG	EET PEN

Client Sample ID: W-90-121025
Lab Sample ID: 400-287372-3
Date Collected: 12/10/25 10:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 18:05	RSG	EET PEN
Total/NA	Analysis	8260D	DL	2	5 mL	5 mL	734376	12/19/25 17:38	WPD	EET PEN

Client Sample ID: W-90-121025-DUP
Lab Sample ID: 400-287372-4
Date Collected: 12/10/25 10:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 18:26	RSG	EET PEN
Total/NA	Analysis	8260D	DL	2	5 mL	5 mL	734376	12/19/25 17:59	WPD	EET PEN

Client Sample ID: W-39-121025
Lab Sample ID: 400-287372-5
Date Collected: 12/10/25 11:20
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 18:47	RSG	EET PEN

Client Sample ID: W-39-121025-DUP
Lab Sample ID: 400-287372-6
Date Collected: 12/10/25 11:20
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 19:07	RSG	EET PEN

Client Sample ID: W-72-121025
Lab Sample ID: 400-287372-7
Date Collected: 12/10/25 12:05
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	734197	12/18/25 19:28	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-287372-1
Project/Site: WRR WATER WELLS

Client Sample ID: W-89-121025
Lab Sample ID: 400-287372-8
Date Collected: 12/10/25 13:10
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	734197	12/18/25 19:49	RSG	EET PEN
Total/NA	Analysis	8260D	DL	50	5 mL	5 mL	734573	12/22/25 20:54	BPO	EET PEN

Client Sample ID: W-69-121025
Lab Sample ID: 400-287372-9
Date Collected: 12/10/25 12:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	734197	12/18/25 21:53	RSG	EET PEN

Client Sample ID: TB-WW-121125
Lab Sample ID: 400-287372-10
Date Collected: 12/11/25 00:00
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 17:44	RSG	EET PEN

Client Sample ID: W-87-121125
Lab Sample ID: 400-287372-11
Date Collected: 12/11/25 10:55
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	734376	12/19/25 18:20	WPD	EET PEN

Client Sample ID: W-77-121125
Lab Sample ID: 400-287372-12
Date Collected: 12/11/25 11:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 11:25	WPD	EET PEN

Client Sample ID: W-78-121125
Lab Sample ID: 400-287372-13
Date Collected: 12/11/25 11:50
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	5 mL	5 mL	734376	12/19/25 12:48	WPD	EET PEN
Total/NA	Analysis	8260D	DL	200	5 mL	5 mL	734376	12/19/25 19:43	WPD	EET PEN

Client Sample ID: W-80-121125
Lab Sample ID: 400-287372-14
Date Collected: 12/11/25 12:25
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	734376	12/19/25 19:22	WPD	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Client Sample ID: W-68-121125
Date Collected: 12/11/25 12:45
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 11:46	WPD	EET PEN

Client Sample ID: W-81-121125
Date Collected: 12/11/25 13:00
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 12:06	WPD	EET PEN

Client Sample ID: W-88-121125
Date Collected: 12/11/25 13:30
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	734376	12/19/25 19:01	WPD	EET PEN

Client Sample ID: W-92-121125
Date Collected: 12/11/25 13:55
Date Received: 12/12/25 09:10

Lab Sample ID: 400-287372-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	734376	12/19/25 12:27	WPD	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-734197/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 12:47	RSG	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-734376/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 10:44	WPD	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-734573/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734573	12/22/25 13:18	BPO	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-287372-1
Project/Site: WRR WATER WELLS

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-734197/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734197	12/18/25 11:43	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-734376/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 09:49	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-734573/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734573	12/22/25 12:23	BPO	EET PEN

Client Sample ID: W-91-121025
Lab Sample ID: 400-287372-2 MS
Date Collected: 12/10/25 10:00
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	5 mL	5 mL	734197	12/18/25 16:21	RSG	EET PEN

Client Sample ID: W-91-121025
Lab Sample ID: 400-287372-2 MSD
Date Collected: 12/10/25 10:00
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	5 mL	5 mL	734197	12/18/25 16:42	RSG	EET PEN

Client Sample ID: W-77-121125
Lab Sample ID: 400-287372-12 MS
Date Collected: 12/11/25 11:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 13:50	WPD	EET PEN

Client Sample ID: W-77-121125
Lab Sample ID: 400-287372-12 MSD
Date Collected: 12/11/25 11:35
Matrix: Water
Date Received: 12/12/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734376	12/19/25 14:11	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-287372-1
Project/Site: WRR WATER WELLS

Client Sample ID: Matrix Spike
Lab Sample ID: 400-287596-B-2 MS
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734573	12/22/25 15:01	BPO	EET PEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 400-287596-B-2 MSD
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	734573	12/22/25 15:22	BPO	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: AECOM
Project/Site: WRR WATER WELLS

Job ID: 400-287372-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-287372-1
Project/Site: WRR WATER WELLS

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200041	10-31-26

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Joe Mayer	25278	DATE: 12/10/2025
PO #	**GSAP Project ID**	PAGE. _1_ of _2_
60771235 – 6.2.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	WRR Water Well Sampling 60771235 – 6.2.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N Broadway 20th Floor; ST LOUIS, MO 63102, USA	Joe Mayer Wendy Pennington - please see special instructions	636-368-6631, 314-802-1122	joe.mayer@aecom.com, wendy.pennington@aecom.com	

PROJECT CONTACT (Hardcopy or PDF Report to):	SAMPLER NAME(S) (Print):	LAB USE ONLY
Wendy Pennington, Joe Mayer	S.MCLEAN T.JENKINS	

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	wendy.pennington@aecom.com; joe.mayer@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260
	TB-WW-121025	12/10/2025	0000	Water	2					2	X
	W-91-121025	12/10/2025	1000	Water	3					3	X
	W-91-121025-MS	12/10/2025	1000	Water	3					3	X
	W-91-121025-MSD	12/10/2025	1000	Water	3					3	X
	W-90-121025	12/10/2025	1035	Water	3					3	X
	W-90-121025-DUP	12/10/2025	1035	Water	3					3	X
	W-39-121025	12/10/2025	1120	Water	3					3	X
	W-39-121025-DUP	12/10/2025	1120	Water	3					3	X
	W-72-121025	12/10/2025	1205	Water	3					3	X
	W-89-121025	12/10/2025	1310	Water	3					3	X
	W-69-121025	12/10/2025	1235	Water	3					3	X

400-287372 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 474480959648	12/11/2025	1600
Relinquished by: (Signature)	Received by: (Signature) 0.0°C IR11	Date: 12/12/25	Time: 910
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 1599736/ 2929985

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Joe Mayer	25278	DATE: 12/11/2025
PO #	**GSAP Project ID**	PAGE. _2_ of _2_
60771235 – 6.2.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: WRR Water Well Sampling 60771235 – 6.2.2

ADDRESS: 100 N. Broadway 20th Floor; ST LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Joe Mayer, Wendy Pennington - please see special instructions

PHONE NO.: 636-368-6631; 314-802-1122

E-MAIL: joe.mayer@aecom.com; wendy pennington@aecom.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Wendy Pennington, Joe Mayer

SAMPLER NAME(S) (Print): S.MCLEAN T.JENKINS

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: wendy.pennington@aecom.com; joe.mayer@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

- * Include "J" values on Reports.
- * Provide sample receipt upon login.
- * Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260
TB-WW-121125	12/11/2025	0000	Water	2					2	X
W-87-121125	12/11/2025	1055	Water	3					3	X
W-77-121125	12/11/2025	1135	Water	3					3	X
W-78-121125	12/11/2025	1150	Water	3					3	X
W-80-121125	12/11/2025	1225	Water	3					3	X
W-68-121125	12/11/2025	1245	Water	3					3	X
W-81-121125	12/11/2025	1300	Water	3					3	X
W-88-121125	12/11/2025	1330	Water	3					3	X
W-92-121125	12/11/2025	1355	Water	3					3	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX. SEE PAGE 1 of 2	12/11/2025	1600
Relinquished by: (Signature)	Received by: (Signature) 0.00C IR1	Date: 12/12/25	Time: 910
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: see page 1 of 2

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Joe Mayer	25278	DATE: 12/10/2025
PO #	**GSAP Project ID**	PAGE. _1_ of _2_
60771235 – 6.2.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	WRR Water Well Sampling 60771235 – 6.2.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL	AECOM Other ID:
100 N Broadway 20th Floor; ST LOUIS, MO 63102, USA	Joe Mayer Wendy Pennington - please see special instructions	636-368-6631, 314-802-1122	joe.mayer@aecom.com, wendy.pennington@aecom.com	

PROJECT CONTACT (Hardcopy or PDF Report to): Wendy Pennington, Joe Mayer

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	wendy.pennington@aecom.com; joe.mayer@aecom.com

SAMPLER NAME(S) (Print): S.MCLEAN T.JENKINS

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

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☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260
	TB-WW-121025	12/10/2025	0000	Water	2					2	X
	W-91-121025	12/10/2025	1000	Water	3					3	X
	W-91-121025-MS	12/10/2025	1000	Water	3					3	X
	W-91-121025-MSD	12/10/2025	1000	Water	3					3	X
	W-90-121025	12/10/2025	1035	Water	3					3	X
	W-90-121025-DUP	12/10/2025	1035	Water	3					3	X
	W-39-121025	12/10/2025	1120	Water	3					3	X
	W-39-121025-DUP	12/10/2025	1120	Water	3					3	X
	W-72-121025	12/10/2025	1205	Water	3					3	X
	W-89-121025	12/10/2025	1310	Water	3					3	X
	W-69-121025	12/10/2025	1235	Water	3					3	X

400-287372 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 474480959648	12/11/2025	1600
Relinquished by: (Signature)	Received by: (Signature) Empfang 0.0°C IR11	Date: 12/12/25	Time: 910
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: 1599736/ 2929985

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Joe Mayer	25278	DATE: 12/11/2025
PO #	**GSAP Project ID**	PAGE. _2_ of _2_
60771235 – 6.2.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	WRR Water Well Sampling 60771235 – 6.2.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.	E-MAIL.	AECOM Other ID:
100 N. Broadway 20th Floor; ST LOUIS, MO 63102, USA	Joe Mayer, Wendy Pennington - please see special instructions	636-368-6631 314-802-1122	joe.mayer@aecom.com; wendy.pennington@aecom.com	

PROJECT CONTACT (Hardcopy or PDF Report to):	SAMPLER NAME(S) (Print):	LAB USE ONLY
Wendy Pennington, Joe Mayer	S.MCLEAN T.JENKINS	

TELEPHONE:	FAX:	Bill To Contact E-MAIL.
314-429-0100	314-429-0462	wendy.pennington@aecom.com; joe.mayer@aecom.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

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* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60771235 – 6.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes.

	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260
	TB-WW-121125	12/11/2025	0000	Water	2					2	X
	W-87-121125	12/11/2025	1055	Water	3					3	X
	W-77-121125	12/11/2025	1135	Water	3					3	X
	W-78-121125	12/11/2025	1150	Water	3					3	X
	W-80-121125	12/11/2025	1225	Water	3					3	X
	W-68-121125	12/11/2025	1245	Water	3					3	X
	W-81-121125	12/11/2025	1300	Water	3					3	X
	W-88-121125	12/11/2025	1330	Water	3					3	X
	W-92-121125	12/11/2025	1355	Water	3					3	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX. SEE PAGE 1 of 2	12/11/2025	1600
Relinquished by: (Signature)	Received by: (Signature) 0.0°C IR1	Date: 12/12/25	Time: 910
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 21July25

CUSTODY SEALS: see page 1 of 2

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-287372-1

Login Number: 287372

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Mary Massa, PG
Geologist
M: 314/795-7580
E: mary.massa@aecom.com

AECOM
100 N. Broadway, 20th Floor
St. Louis, MO 63102
aecom.com