

February 19, 2026 Revision 1

Attention: Mr. Christophe Venot
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Transmitted via email.

ADEC File No.: 330.38.125

RE: 2025 RGV-35A Groundwater Monitoring Report

At the request of Alyeska Pipeline Service Company (Alyeska), SLR International Corporation (SLR) has prepared this letter report presenting the results of groundwater monitoring at Remote Gate Valve (RGV)-35A on the Trans Alaska Pipeline System (TAPS) in 2025. The objective of the project is to evaluate whether petroleum hydrocarbons present in soil around the valve are migrating into groundwater at the Site and causing exceedances of ADEC groundwater cleanup levels. Work completed in 2025 included sampling of all three groundwater wells surrounding RGV-35A.

Site Setting and Lithology

The RGV-35A valve site (Site) is located on a large gravel pad at milepost 194 of TAPS (Figure 1). The gravel pad at the valve slopes gently to the east-southeast towards a wooded area. The pad is composed of 4 to 5 feet (ft) of compacted fill material overlaying native alluvial deposits from the Dietrich River channel. The pad fill material has a high silt content as evidenced by pooled rainwater and low well recharge rates for shallow groundwater sampling points (SLR, 2019a). The nearest surface water is located in a wooded area, approximately 150 ft east of the valve. A dry channel of the Dietrich River subject to seasonal flow runs approximately 130 ft west of the valve. The groundwater flow is towards the south. The Site details are shown in Figures 2 and 3.

Project Background

Several crude oil release investigations have been conducted at RGV-35A prior to the 2022 crude oil leak, the most recent of which was conducted in 2018 in response to a sheen on the water around the valve. Subsequent investigations of subsurface soil and groundwater were conducted from 2019 to 2024 to further evaluate potential subsurface contaminant migration.

- **2018 Sheen Investigation:** Heavy sheen was discovered on the water within the corrugated metal pipe (CMP) surrounding the RGV-35A valve during the excavation of the vertical bypass risers in August 2018. Crude stained soil was removed from around the valve below the static water table. Shallow groundwater samples were collected, and all analytical results were below cleanup levels for petroleum hydrocarbons. Soil analytical exceedances were limited to the southwest edge of the excavation at approximately 6 to 8 ft below ground surface (bgs) (SLR, 2019a)
- **2019 Site Investigation:** Monitoring wells MW-191, MW-192, and MW-193 were installed, soil samples were collected from the borings during well installation, and groundwater samples from the newly installed wells were collected in 2019. Soil and groundwater analytical results showed all analyte concentrations well below their respective ADEC cleanup levels (SLR, 2019b).

- **2020-2021 Groundwater Monitoring:** Groundwater monitoring was conducted in 2020 and 2021. Analytical results from both years were limited to low, estimated concentrations well below applicable ADEC criteria. Results indicated no significant impacts from the historical crude leak or sheen at the valve (SLR, 2020 and 2021).
- **2022 Groundwater Monitoring:** The network of three wells was scheduled for removal in 2022; however, Alyeska voluntarily suspended well removal after the discovery of a crude oil release from the valve fitting. Approximately 18 barrels of crude oil was released within the CMP, and a light overspray was released to the pad. Spill response efforts included excavating soil that was visibly impacted and stockpiling it on the pad for sampling and removal. Heated headspace photoionization detector (PID) values indicated that petroleum hydrocarbon impacts were present in soils within the CMP, and values ranged from 3.8 to 884 parts per million (ppm). Representative soil samples could not be collected due to the presence of standing water within the CMP. Groundwater monitoring samples indicated that only RRO and benzo(a)anthracene were detected below the ADEC cleanup level in the primary or duplicate sample from well MW-192 (SLR, 2023a).
- **2023 Groundwater Monitoring:** The 2023 results at upgradient and cross gradient wells MW-191 and MW-193 were consistent with prior groundwater results. The 2023 results at downgradient well MW-192 were within historical ranges except for the concentration of RRO (1.21 milligrams per liter [mg/L]) which barely exceeded the ADEC groundwater cleanup level of 1.1 mg/L (SLR, 2023b).
- **2024 Site Investigation:** Crude-impacted soil from within the CMP was removed and sampled, and groundwater monitoring continued at the site in 2024. A total of 12 drums of impacted soil was removed from the CMP. After shovel excavation of the impacted soils, the excavation filled with visibly impacted groundwater to a depth of 1 ft bgs. Due to presence of groundwater, confirmation soil samples were not collected. Soil waste characterization samples were collected, and analytical results showed all detections of contaminants were below their respective ADEC cleanup levels. Results from groundwater monitoring showed all analytes were either non-detect or present in low-level, estimated concentrations well below the ADEC cleanup level (SLR, 2024).

Summary of 2025 Field Activities

The following sections describe field activities conducted in 2025. The work was conducted in accordance with ADEC's *Field Sampling Guidance* (ADEC, 2024) and the ADEC-approved Work Plan (SLR, 2025). Field activities were performed by a qualified environmental professional as defined by 18 AAC 75.333 and were documented in the photograph log and field logbook, included as Appendices A and B, respectively.

Well Casing Survey

The wells are subjected to significant frost jacking; consequently, a differential offset (level-loop) survey of well casing elevations was performed to provide groundwater elevation data. The differential offset used a temporary benchmark as the basis for elevations and was performed using a survey transit and rod, collecting elevation measurements on both an outbound and return loop, and accepting those measurements only when the outbound and return loop measurements



were within 0.01 ft. Depth to groundwater was measured to within 0.01 ft using an electronic water level indicator. Groundwater elevations were calculated by subtracting the depth to water from the top of casing elevation. Groundwater elevation data are presented in Table 1.

Groundwater Sampling Procedure

Monitoring wells were sampled by standard low-flow sampling methodology in accordance with the procedures described in the Work Plan (SLR, 2025). Monitoring wells were gauged with an electronic water level indicator prior to sampling to obtain static depths to water. All groundwater samples were collected using a peristaltic pump discharging directly into laboratory-cleaned sample containers appropriate for the required analyses. The peristaltic pump is preferred because of the shallow depths of monitoring wells and thin water columns at the site, and for consistency with historical data. One duplicate groundwater sample, MW-199, was collected from well MW-192 for sampling quality control. Water quality parameters and other sampling information were documented in the field logbook and on groundwater sampling forms included in Appendix B.

Analytical Methods

Groundwater samples were submitted to SGS, an ADEC-accredited laboratory. Groundwater samples were analyzed for petroleum hydrocarbons by the following analytical methods:

- **GRO:** Alaska Method (AK) 101;
- **DRO and RRO:** AK 102/103;
- **PVOCs (16 petroleum hydrocarbon list):** United States Environmental Protection Agency (USEPA) Method 8260D; and
- **PAHs:** USEPA Method SW8270E-SIM (selective ion monitoring).

Waste Disposition and Treatment

Waste generated included approximately 7 gallons of sampling purge water. Monitoring well purge water was free of sheen and was treated by two-stage sediment and granulated activated carbon filtration system prior to discharge to the pad surface (at least 100 feet from the Dietrich River).

Work Plan Deviations

There were no work plan deviations during field activities in 2025.

Findings

Field activities were conducted on August 5, 2025. The findings are summarized below.

Groundwater Elevations and Flow Direction

Based on the elevations of well casings and measured depth to groundwater, groundwater flow is to the south, parallel to the direction of flow of the Dietrich River. This agrees with the groundwater flow direction inferred from measurements collected in 2021 prior to frost jacking of the wells at the Site.

Historical groundwater elevation data are presented in Table 1. The approximated groundwater flow contours and directions from prior years are shown on Figure 3.



Groundwater Analytical Results

Analytical results were below ADEC cleanup levels except for RRO at MW-192. Groundwater analytical sample results were within their respective historical ranges. A summary of analytical results for each well sampled in 2025 are as follows:

- **MW-191:** DRO and RRO were non-detect in both the primary and duplicate sample. DRO was detected at a low-level, J-flagged (estimated) concentration well below the ADEC cleanup level. No analytes have exceeded cleanup levels at this well since sampling began in 2019.
- **MW-192:** GRO was non-detect in the primary and duplicate sample. DRO was detected in the primary sample at a concentration below the ADEC cleanup level and was non-detect in the duplicate. The concentration of RRO in the primary sample was estimated at 1.15 mg/L, just exceeding the cleanup level of 1.1 mg/L. The concentration of RRO duplicate sample was non-detect. The RRO cleanup level has been exceeded twice in the seven years of sampling (1.21 mg/L in 2023 and 1.15 mg/L in 2025).
- **MW-193:** GRO, DRO, and RRO were non-detect. No analytes have exceeded cleanup levels at this upgradient well since sampling began in 2019.

All remaining analytes not discussed above were non-detect. Groundwater cleanup levels and analytical results are shown in Table 2.

Data Quality

The groundwater analytical data were considered acceptable for use. The only data qualifiers assigned were due to samples associated with method blank detections, and one estimated biased detection. DRO detections for samples MW-191, MW-199, and MW-193 were likely false positives and were reported as non-detect at the LOQ with a “UB” qualifier. The RRO detection for MW-192 was estimated due to QC issues. The primary RRO result estimated value was slightly above the ADEC groundwater cleanup level, and the duplicate was non-detect. As per ADEC guidance, the higher should be used for reporting purposes and the RRO result for sample MW-192 is considered to have exceeded the RRO cleanup level. A full discussion is provided in the Quality Assurance Review ([QAR], Appendix C).

Conclusions and Recommendations

Impacted soils have been excavated to a depth that is below the water table, and waste characterization samples suggest that remaining soils may be below cleanup levels. In the unlikely event that the groundwater table decreases and soils within the CMP become unsaturated, the soil should be evaluated, and analytical samples should be collected.

The impacts to groundwater resulting from the 2022 crude release from RGV-35A are limited to RRO in the immediate vicinity of the valve within and just downgradient of the CMP, potentially up to well MW-192. In the seven years of groundwater sampling, the only exceedance at the site has been for RRO at MW-192 in 2023 and 2025.

SLR recommends continued groundwater monitoring at the three on-site and a differential offset/ level-loop survey so that groundwater flow direction can be determined accurately with expected frost-jacking of well casings.



Closure

This document has been prepared by SLR. The material and data in this report were prepared under the supervision and direction of the Individuals below:

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Enc Figure 1 – Site Location
Figure 2 – Site Detail
Figure 3 – Monitoring Well Locations and Groundwater Elevations
Table 1 – Groundwater Elevations
Table 2 – Groundwater Analytical Results
Appendix A – Photograph Log
Appendix B – Field Notebook and Field Forms
Appendix C – Laboratory Data Quality Assurance Review

References

Alaska Department of Environmental Conservation (ADEC). 2024. Field Sampling Guidance. August.
-----, 2023. Oil and Other Hazardous Substances Pollution Control. As amended through October 18.
SLR International Corporation (SLR). 2025. RGV-35A Groundwater Monitoring Work Plan. March.
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-----, 2023b. 2023 RGV-35A Groundwater Monitoring Report. December.

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-----, 2020. RGV-35A Groundwater Monitoring Report. December.
-----, 2019a. RGV-35A Sheen Investigation.
-----, 2019b. RGV-35A Well Installation, Revision 1 – Letter Report. November.





Figures

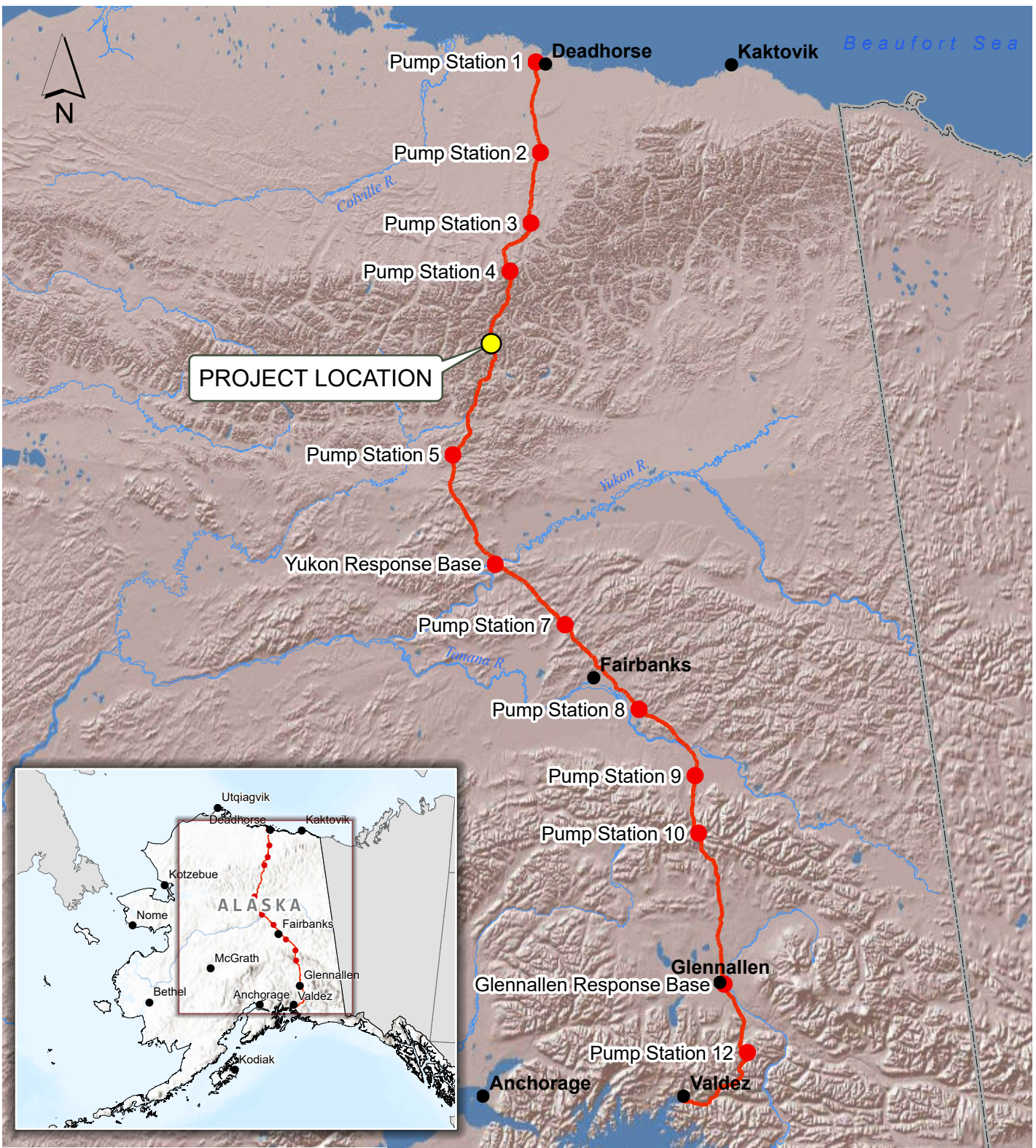
2025 Groundwater Monitoring Report

Remote Gate Valve 35A

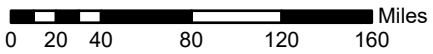
Alyeska Pipeline Service Company

ADEC File No.: 330.38.125

February 19, 2026



- Legend**
- City
 - Pump Station
 - Trans-Alaska Pipeline System (TAPS)



THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

Site
**ALYESKA PIPELINE SERVICE COMPANY
 REMOTE GATE VALVE (RGV) - 35A PIPELINE
 MILEPOST 194**

Report
**2025 REMOTE GATE VALVE (RGV) – 35A
 GROUNDWATER MONITORING REPORT**

Drawing
SITE LOCATION MAP

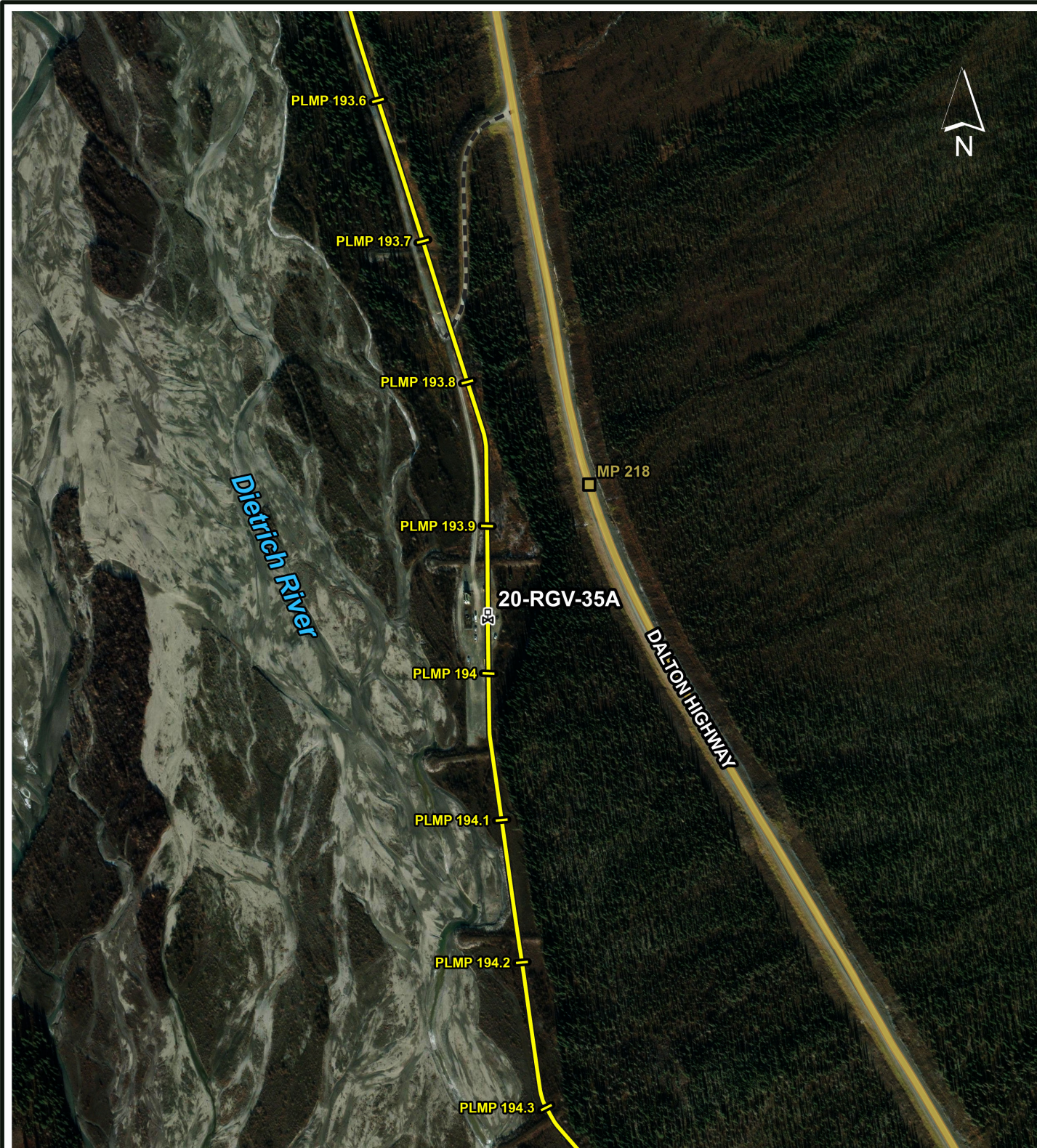
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Fig. No. **1**

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Legend

-  Remote Gate Valve (RGV)-35A
-  Trans-Alaska Pipeline System (TAPS)
-  Dalton Highway
-  Access Road



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Site
**ALYESKA PIPELINE SERVICE COMPANY
 REMOTE GATE VALVE (RGV) - 35A PIPELINE
 MILEPOST 194**

Report
**2025 REMOTE GATE VALVE (RGV) - 35A
 GROUNDWATER MONITORING REPORT**

Drawing
SITE DETAIL






Date February 2026
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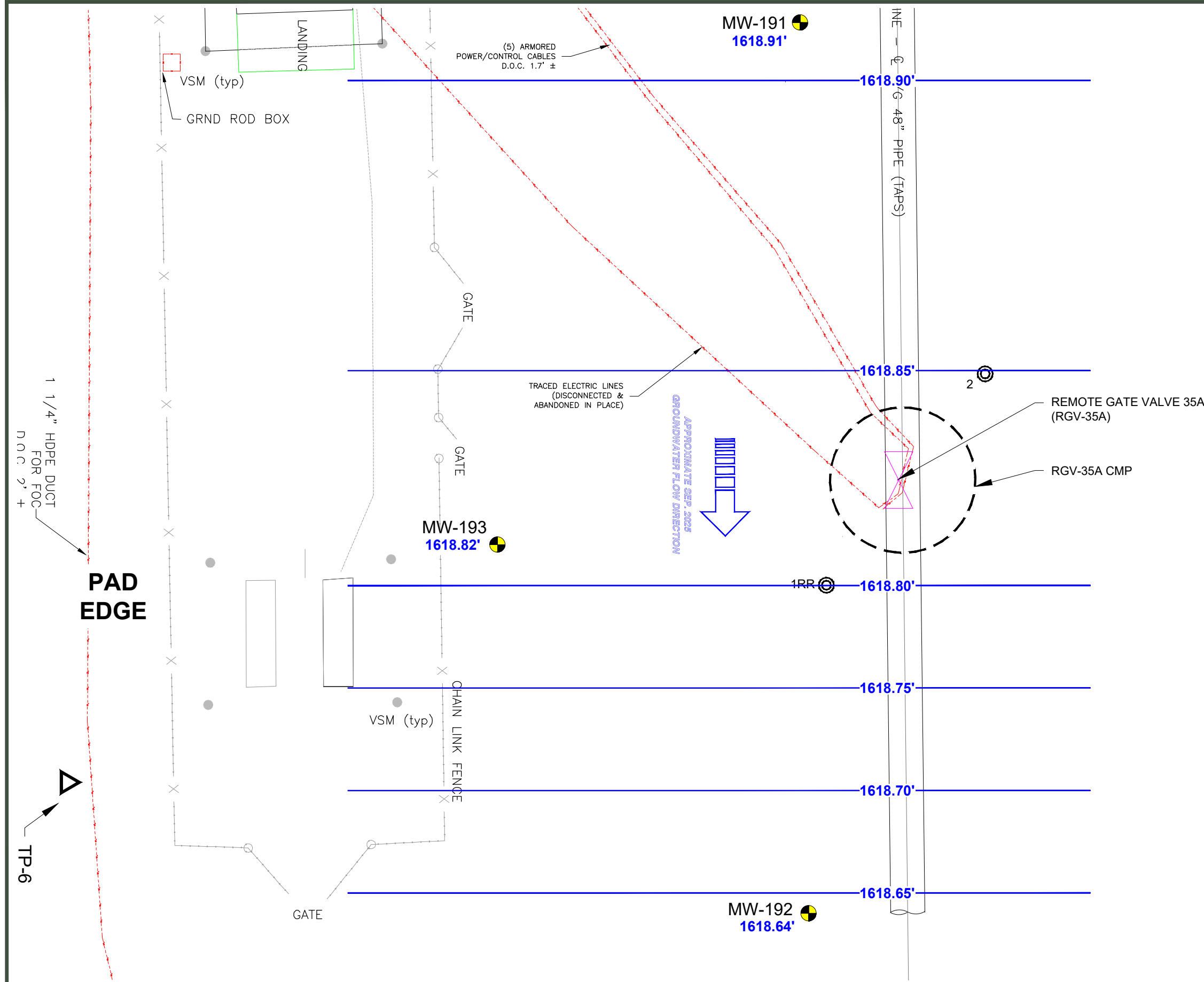
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Fig. No. **2**

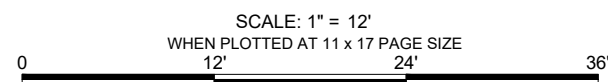
DRAWING NOTES
 DRAWING IS BASED ON ALYESKA PIPELINE SERVICE COMPANY DRAWING NO. 194A0613, RGV35A OIL SPILL RESPONSE AS-BUILT TOPO, SHEET 1 OF 1, DWG DATE: 6/27/13

LEGEND

-  MONITORING WELL LOCATION
-  SOIL GAS PROBE
-  SEPTEMBER 2025 GROUNDWATER ELEVATION CONTOUR (FEET ABOVE SEA LEVEL)



THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.



Site
 ALYESKA PIPELINE SERVICE COMPANY
 REMOTE GATE VALVE (RGV) - 35A PIPELINE
 MILEPOST 194

Report
 2025 GROUNDWATER SAMPLING REPORT

Drawing
 MONITORING WELL LOCATIONS AND
 GROUNDWATER ELEVATIONS

Date	February 2026	Scale	1" = 12 Feet	Fig. No.	3
File Name	F3 APSC_RGV-35A_GW_WP_021414	Project No.	105.021414.0001		





Tables

2025 Groundwater Monitoring Report

Remote Gate Valve 35A

Alyeska Pipeline Service Company

ADEC File No.: 330.38.125

February 19, 2026

Table 1: Groundwater Elevations
RGV-35A Site Investigation Report

Well Identification ^A	Date Gauged	Top of Casing Elevation (ft MSL) ^B	Total Depth (ft btoc)	Static Water Depth (ft btoc)	Groundwater Elevation (ft MSL)	Comments
MW-191	7/30/2019	1620.048	11.89	2.11	1617.94	Well surveyed in 2019.
	7/12/2020	NM	11.89	3.15	NM	
	8/16/2020	NM	11.87	2.81	NM	
	7/26/2021	1622.473	NM	4.09	1618.38	Well surveyed in 2021. Could not trim well - no 1.5-inch PVC cutter.
	8/25/2021	1622.203	11.39	2.75	1619.45	Well gauged after cutting casing down by 0.27 ft to address frost-jacking.
	8/10/2022	NM	11.41	2.15	NM	Well gauged after trimming 0.23 ft from the well to address frost jacking.
	8/9/2023	NM	11.10	3.19	NM	Well gauged after trimming 0.34 ft from the well to address frost jacking. Top of well casing is 0.25 ft below ground surface.
	7/31/2024	1622.20	10.49	2.58	1619.62	Casing elevation assumed to be equal to August 2021 RTK GPS measurement.
	8/5/2025	1622.42	10.49	3.51	1618.91	Well trimmed 1.5 inches after gauging. Replaced damaged flushmount with a new well monument.
MW-192	7/30/2019	1619.539	12.60	2.29	1617.25	Well surveyed in 2019.
	7/12/2020	NM	12.73	2.89	NM	
	8/16/2020	NM	12.71	3.15	NM	
	7/26/2021	1621.921	NM	3.84	1618.08	Well surveyed in 2021. Could not trim well - no 1.5-inch PVC cutter.
	8/25/2021	1621.601	12.13	2.40	1619.20	Well gauged after cutting casing down by 0.32 ft to address frost-jacking.
	8/10/2022	NM	NM	1.79	NM	Well gauged after trimming 0.42 ft from the well to address frost jacking.
	8/9/2023	NM	11.70	2.70	NM	Well gauged after trimming 0.35 ft from the well to address frost jacking. Top of well casing is 0.30 ft below ground surface.
	7/31/2024	1621.59	11.72	2.36	1619.23	Casing elevation based on offset measured from MW-191 during level loop survey.
	8/5/2025	1621.85	11.72	3.21	1618.64	Trimmed well 2 inches after gauging. Replaced well cap.

Table 1: Groundwater Elevations
RGV-35A Site Investigation Report

Well Identification ^A	Date Gauged	Top of Casing Elevation (ft MSL) ^B	Total Depth (ft btoc)	Static Water Depth (ft btoc)	Groundwater Elevation (ft MSL)	Comments
MW-193	7/30/2019	1620.663	10.65	3.14	1617.52	Well surveyed in 2019.
	7/12/2020	NM	7.80	3.89	NM	Ice plug in well at 7.80 ft, casing frost-jacked approximately 0.1 ft.
	8/16/2020	NM	10.62	3.41	NM	Well gauged prior to cutting casing down by 0.11 ft to address frost-jacking.
	7/26/2021	1622.688	NM	4.56	1618.13	Well surveyed in 2021. Well gauged after cutting casing down by 0.09 ft.
	8/25/2021	1622.528	10.11	3.22	1619.31	Well gauged after cutting casing down by an additional 0.16 ft to address frost-jacking.
	8/10/2022	NM	10.09	2.50	NM	Well gauged after trimming 0.26 ft from the well to address frost jacking.
	8/9/2023	NM	10.04	3.56	NM	Top of well casing is 0.30 ft below ground surface.
	7/31/2024	1622.27	9.90	2.92	1619.35	Casing elevation based on offset measured from MW-191 during level loop survey.
	8/5/2025	1622.51	9.90	3.69	1618.82	Trimmed well 2.5 inches after gauging.

Notes:

^A All monitoring wells were installed in July 2019 as documented in the RGV-35A Well Installation Report (SLR, 2019b).

^B First elevations listed were surveyed using real time kinematic (RTK) GPS in July 2019. Second elevations listed were surveyed using RTK GPS in July 2021. In 2024, a differential offset (level-loop) survey was performed using a temporary benchmark of arbitrary elevation. Differences in elevations between wells were measured to within 0.01 ft. Elevations provided in 2024 use the elevation of MW-191 measured by RTK GPS in 2021 as the basis for site elevations. Elevations provided for MW-192 and MW-193 are calculated offset from the 2021 elevation of MW-191.

All elevations in other years could not be measured with accuracy due to frost jacking and trimming and are listed as not measured (NM).

Abbreviations:

btoc below top of casing
ft feet
MSL mean sea level
NM not measured

Table 2: Groundwater Sample Analytical Results
RGV-35A Site Investigation Report

Compound in milligrams per liter (mg/L) ^C	18 AAC 75, Table C, Groundwater Cleanup Levels ^A	Sample Location ^B											
		MW-191 (Primary) 30-Jul-19 1199584008	MW-199 (Duplicate) 30-Jul-19 1199584011	MW-191 16-Aug-20 1204335001	MW-191 25-Aug-21 1215585003	MW-191 10-Aug-22 1224821003	MW-191 (Primary) 09-Aug-23 1234306001	MW-911 (Duplicate) 09-Aug-23 1234306002	MW-191 (Primary) 31-Jul-24 1244190001	MW-911 (Duplicate) 31-Jul-24 1244190002	MW-191 05-Aug-25 1254078003	MW-192 30-Jul-19 1199584010	MW-192 16-Aug-20 1204335003
Fuels (AK101, 102, and 103)													
Gasoline Range Organics	2.2	[0.05] ND	0.046 J	[0.05] ND	[0.05] ND	[0.05] ND	0.0499 J	[0.05] ND	[0.075] ND	[0.075] ND	0.0512 J	[0.05] ND	0.0332 J
Diesel Range Organics	1.5	[0.288] ND	[0.3] ND	0.298 J	[0.294] ND	[0.283] ND	0.269 J, Q-	0.25 J, Q-	[0.625] UB	[0.625] UB	[0.625] UB	[0.294] ND	0.236 J
Residual Range Organics	1.1	[0.24] ND	[0.25] ND	0.413 J	[0.245] ND	[0.236] ND	0.366 J, Q-	0.28 J, Q-	[0.521] UB	[0.521] UB	[0.391] ND	[0.245] ND	0.298 J
Petroleum Volatile Organic Compounds (SW826)													
1,2,4-Trimethylbenzene	0.056	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
1,2-Dibromoethane	0.00075	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.000562] ND	[0.000562] ND	[0.000562] ND	[0.000375] ND	[0.000375] ND
1,2-Dichloroethane	0.0017	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.00025] ND	[0.00025] ND
1,3,5-Trimethylbenzene	0.06	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
Benzene	0.0046	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0003] ND	[0.0003] ND	[0.0003] ND	[0.0002] ND	[0.0002] ND
Cyclohexane	13	--	--	--	--	--	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--
Ethylbenzene	0.015	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
Isopropylbenzene (Cumene)	0.45	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
Methyl-t-butyl ether	0.14	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.0075] ND	[0.0075] ND	[0.0075] ND	[0.005] ND	[0.005] ND
Naphthalene	0.0017	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
n-Butylbenzene	1	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
n-hexane	1.5	--	--	--	--	--	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--
n-Propylbenzene	660	--	--	--	--	--	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--
o-Xylene	--	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
p & m-Xylene	--	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.001] ND	[0.001] ND
sec-Butylbenzene	2	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
tert-Butylbenzene	0.69	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
Toluene	1.1	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND
Xylenes (total) ^D	0.19	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.00225] ND	[0.001] ND	[0.0015] ND
PAH SIM (SW8270 LV)													
1-Methylnaphthalene	0.011	--	--	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	--	[0.000024] ND
2-Methylnaphthalene	0.036	--	--	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	0.0000237 J, Q-	R	[0.0000212] J	[0.0000212] J	[0.0000382] ND	--	[0.000024] ND
Acenaphthene	0.53	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Acenaphthylene	0.26	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	[0.0000255] ND	[0.000025] ND	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Anthracene	0.043	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Benzo(a)Anthracene	0.0003	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Benzo(a)pyrene	0.00025	[0.0000098] ND	[0.0000098] ND	[0.0000096] ND	[0.0000098] ND	[0.0000096] UJ	[0.0000102] ND	[0.00001] ND	[0.0000153] ND	[0.0000153] ND	[0.0000153] ND	[0.0000096] ND	[0.0000096] ND
Benzo(b)Fluoranthene	0.0025	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Benzo(g,h,i)perylene	0.00026	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	[0.0000255] ND	[0.000025] ND	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Benzo(k)fluoranthene	0.0008	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	[0.0000255] ND	[0.000025] ND	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Chrysene	0.002	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Dibenzo(a,h)anthracene	0.00025	[0.0000098] ND	[0.0000098] ND	[0.0000096] ND	[0.0000098] ND	[0.0000096] UJ	[0.0000102] ND	[0.000011] ND	[0.0000153] ND	[0.0000153] ND	[0.0000153] ND	[0.0000096] ND	[0.0000096] ND
Fluoranthene	0.26	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Fluorene	0.29	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Indeno[1,2,3-c,d]pyrene	0.00019	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	[0.0000255] ND	[0.000025] ND	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND
Naphthalene	0.0017	[0.000049] ND	[0.000049] ND	[0.0000481] ND	[0.000049] ND	[0.0000481] UJ	R	R	[0.0000765] ND	[0.0000765] ND	[0.0000765] ND	[0.0000481] ND	[0.0000481] ND
Phenanthrene	0.17	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] UB	[0.0000481] UJ	R	0.0000346 J, Q-	0.0000387 J	[0.0000765] ND	[0.0000765] ND	[0.000024] ND	[0.000024] ND
Pyrene	0.12	[0.0000245] ND	[0.0000245] ND	[0.000024] ND	[0.0000245] ND	[0.000024] UJ	R	R	[0.0000382] ND	[0.0000382] ND	[0.0000382] ND	[0.000024] ND	[0.000024] ND

Notes:

- 0.015 BOLD values indicate an exceedance of ADEC 18 AAC 75, Table C Groundwater criteria.
- A Values from ADEC 18 AAC 75, Table C, Groundwater Cleanup Levels, as applicable (most recently updated October 18, 2023).
- B Field sample identification, date collected, and laboratory sample identification number are provided.
- C Sample results for detected values are listed in mg/L. The LOD is shown for non-detect results.
- D Total values are the summation of detected compounds only. The highest LOD was listed for ND analytes.

Abbreviations:

- not applicable or analyte not sampled
- AAC Alaska Administrative Code
- ADEC Alaska Department of Environmental Conservation
- DL detection limit

- LOD limit of detection
- LOQ limit of quantitation
- LV low volume
- mg/L milligram per liter

Data Flags:

- [x.xx] ND The number in brackets is the LOD.
- J Estimated value
- UB Non-detect due to an associated blank detection.
- UJ Non-detect with an estimated reporting limit.
- Q Estimated due to QC issues. A "+" or "-" indicates high or low bias.
- R The data is rejected due to one or more QC issues.
- ND non-detect
- PAH polynuclear aromatic hydrocarbon
- QC quality control
- SIM selective ion monitoring

Table 2: Groundwater Sample Analytical Results
RGV-35A Site Investigation Report

Compound in milligrams per liter (mg/L) ^c	18 AAC 75, Table C, Groundwater Cleanup Levels ^A	Sample Location ^B											
		MW-192 25-Aug-21 1215585004	MW-192 (Primary) 10-Aug-22 1224821001	MW-992 (Duplicate) 10-Aug-22 1224821005	MW-192 09-Aug-23 1234306004	MW-192 31-Jul-24 1244190004	MW-192 (Primary) 05-Aug-25 1254078001	MW-199 (Duplicate) 05-Aug-25 1254078002	MW-193 30-Jul-19 1199584009	MW-193 (Primary) 16-Aug-20 1204335002	MW-199 (Duplicate) 16-Aug-20 1204335004	MW-193 (Primary) 25-Aug-21 1215585001	MW-199 (Duplicate) 25-Aug-21 1215585002
Fuels (AK101, 102, and 103)													
Gasoline Range Organics	2.2	[0.05] ND	[0.05] ND	[0.05] ND	0.0553 J	[0.075] ND	[0.075] ND	[0.075] ND	[0.05] ND	[0.05] ND	[0.05] ND	0.0554 J	[0.05] ND
Diesel Range Organics	1.5	[0.306] ND	[0.3] ND	[0.283] UJ	0.948 Q	[0.638] UB	0.638	[0.63] UB	[0.288] ND	0.186 J	0.176 J	[0.3] ND	[0.3] ND
Residual Range Organics	1.1	[0.255] ND	0.201 J	0.282 J	1.21 Q	[0.532] UB	1.15 Q	[0.394] UB	[0.24] ND	0.273 J	0.401 J	[0.25] ND	[0.25] ND
Petroleum Volatile Organic Compounds (SW8260C)													
1,2,4-Trimethylbenzene	0.056	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
1,2-Dibromoethane	0.000075	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000562] ND	[0.0000562] ND	[0.0000562] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND
1,2-Dichloroethane	0.0017	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.000375] ND	[0.000375] ND	[0.000375] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND
1,3,5-Trimethylbenzene	0.06	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
Benzene	0.0046	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0003] ND	[0.0003] ND	[0.0003] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND
Cyclohexane	13	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	--
Ethylbenzene	0.015	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
Isopropylbenzene (Cumene)	0.45	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
Methyl-t-butyl ether	0.14	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.0075] ND	[0.0075] ND	[0.0075] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND
Naphthalene	0.0017	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
n-Butylbenzene	1	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
n-hexane	1.5	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	--
n-Propylbenzene	660	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	--
o-Xylene	--	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
p & m-Xylene	--	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND
sec-Butylbenzene	2	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
tert-Butylbenzene	0.69	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
Toluene	1.1	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND
Xylenes (total) ¹⁷	0.19	[0.0015] ND	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.00225] ND	[0.00225] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND
PAH SIM (SW8270D LV)													
1-Methylnaphthalene	0.011	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	--	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
2-Methylnaphthalene	0.036	[0.00025] ND	[0.0481] UB	[0.00024] ND	0.0000221 J, Q	0.0000329 J	[0.000368] ND	[0.000391] ND	--	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Acenaphthene	0.53	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Acenaphthylene	0.26	[0.00025] ND	[0.00024] ND	[0.00024] ND	[0.0000278] ND	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Anthracene	0.043	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Benzo(a)Anthracene	0.0003	[0.00025] ND	[0.00024] ND	0.0000146 J	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Benzo(a)pyrene	0.00025	[0.00011] ND	[0.000096] ND	[0.000096] ND	[0.0000111] ND	[0.000153] ND	[0.000147] ND	[0.000156] ND	[0.0000945] ND	[0.000096] ND	[0.000096] ND	[0.000098] ND	[0.0001] ND
Benzo(b)Fluoranthene	0.0025	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Benzo(g,h,i)perylene	0.00026	[0.00025] ND	[0.00024] ND	[0.00024] ND	[0.0000278] ND	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Benzo(k)fluoranthene	0.0008	[0.00025] ND	[0.00024] ND	[0.00024] ND	[0.0000278] ND	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Chrysene	0.002	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Dibenz(a,h)anthracene	0.00025	[0.00011] ND	[0.000096] ND	[0.000096] ND	[0.0000111] ND	[0.000153] ND	[0.000147] ND	[0.000156] ND	[0.0000945] ND	[0.000096] ND	[0.000096] ND	[0.000098] ND	[0.0001] ND
Fluoranthene	0.26	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Fluorene	0.29	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Indeno(1,2,3-c,d)pyrene	0.00019	[0.00025] ND	[0.00024] ND	[0.00024] ND	[0.0000278] ND	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND
Naphthalene	0.0017	[0.0005] ND	[0.000481] ND	[0.000481] ND	R	[0.000765] ND	[0.000735] ND	[0.00078] ND	[0.000471] ND	[0.000481] ND	[0.000481] ND	[0.00049] ND	[0.0005] ND
Phenanthrene	0.17	[0.00025] UB	[0.000481] ND	[0.000481] ND	R	0.0000403 J	[0.000735] ND	[0.00078] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] UB	[0.00025] UB
Pyrene	0.12	[0.00025] ND	[0.00024] ND	[0.00024] ND	R	[0.000382] ND	[0.000368] ND	[0.000391] ND	[0.000236] ND	[0.00024] ND	[0.00024] ND	[0.000245] ND	[0.00025] ND

Notes:

0.015 BOLD values indicate an exceedance of ADEC 18 AAC 75, Table C Groundwater criteria.
A Values from ADEC 18 AAC 75, Table C, Groundwater Cleanup Levels, as applicable (most recently updated October 18, 2023).
B Field sample identification, date collected, and laboratory sample identification number are provided.
C Sample results for detected values are listed in mg/L. The LOD is shown for non-detect results.
D Total values are the summation of detected compounds only. The highest LOD was listed for ND analytes.

Data Flags:

[x.xx] ND The number in brackets is the LOD.
J Estimated value
UB Non-detect due to an associated blank detection.
UJ Non-detect with an estimated reporting limit.
Q Estimated due to QC issues. A "+" or "-" indicates high or low bias.
R The data is rejected due to one or ore QC issues.
ND non-detect

Abbreviations:

-- not applicable or analyte not sampled
AAC Alaska Administrative Code
ADEC Alaska Department of Environmental Conservation
DL detection limit
LOD limit of detection
LOQ limit of quantitation
LV low volume
mg/L milligram per liter
PAH polynuclear aromatic hydrocarbon
QC quality control
SIM selective ion monitoring

Table 2: Groundwater Sample Analytical Results
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Compound in milligrams per liter (mg/L) ^C	18 AAC 75, Table C, Groundwater Cleanup Levels ^A	Sample Location ^B				Trip Blanks						
		MW-193 10-Aug-22 1224821002	MW-193 09-Aug-23 1234306003	MW-193 31-Jul-24 1244190003	MW-193 05-Aug-25 1254078004	TB-2 30-Jul-19 1199584012	Trip Blank 16-Aug-20 1204335005	Trip Blank 25-Aug-21 1215585005	Trip Blank 10-Aug-22 1224821004	Trip Blank 09-Aug-23 1234306005	TB001 31-Jul-24 1244190005	Trip Blank 05-Aug-25 1254078005
Fuels (AK101, 102, and 103)												
Gasoline Range Organics	2.2	[0.05] ND	0.0508 J	[0.075] ND	[0.075] ND	[0.05] ND	[0.05] ND	[0.05] ND	[0.05] ND	0.058 J	[0.075] ND	[0.075] ND
Diesel Range Organics	1.5	[0.288] ND	0.247 J, Q-	[0.638] UB	[0.63] UB	--	--	--	--	--	--	--
Residual Range Organics	1.1	[0.24] ND	0.354 J, Q-	[0.532] UB	[0.394] ND	--	--	--	--	--	--	--
Petroleum Volatile Organic Compounds (SW8260C)												
1,2,4-Trimethylbenzene	0.056	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
1,2-Dibromoethane	0.000075	[0.0000375] ND	[0.0000375] ND	[0.0000562] ND	[0.0000562] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000375] ND	[0.0000562] ND	[0.0000562] ND
1,2-Dichloroethane	0.0017	[0.00025] ND	[0.00025] ND	[0.000375] ND	[0.000375] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.00025] ND	[0.000375] ND	[0.000375] ND
1,3,5-Trimethylbenzene	0.06	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
Benzene	0.0046	[0.0002] ND	[0.0002] ND	[0.0003] ND	[0.0003] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0002] ND	[0.0003] ND	[0.0003] ND
Cyclohexane	13	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND
Ethylbenzene	0.015	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
Isopropylbenzene (Cumene)	0.45	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
Methyl-t-butyl ether	0.14	[0.005] ND	[0.005] ND	[0.0075] ND	[0.0075] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.005] ND	[0.0075] ND	[0.0075] ND
Naphthalene	0.0017	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
n-Butylbenzene	1	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
n-hexane	1.5	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND
n-Propylbenzene	660	--	[0.0005] ND	[0.00075] ND	[0.00075] ND	--	--	--	--	[0.0005] ND	[0.00075] ND	[0.00075] ND
o-Xylene	--	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
p & m-Xylene	--	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.001] ND	[0.0015] ND	[0.0015] ND
sec-Butylbenzene	2	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
tert-Butylbenzene	0.69	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
Toluene	1.1	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.0005] ND	[0.00075] ND	[0.00075] ND
Xylenes (total) ^D	0.19	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.00225] ND	[0.001] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.0015] ND	[0.00225] ND
PAH SIM (SW8270D LV)												
1-Methylnaphthalene	0.011	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
2-Methylnaphthalene	0.036	[0.0000245] ND	R	0.0000233 J	[0.0000391] ND	--	--	--	--	--	--	--
Acenaphthene	0.53	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Acenaphthylene	0.26	[0.0000245] ND	[0.0000261] ND	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Anthracene	0.043	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Benzo(a)Anthracene	0.0003	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Benzo(a)pyrene	0.00025	[0.0000098] ND	[0.0000104] ND	[0.000015] ND	[0.0000156] ND	--	--	--	--	--	--	--
Benzo(b)Fluoranthene	0.0025	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.00026	[0.0000245] ND	[0.0000261] ND	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Benzo(k)fluoranthene	0.0008	[0.0000245] ND	[0.0000261] ND	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Chrysene	0.002	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	0.00025	[0.0000098] ND	[0.0000104] ND	[0.000015] ND	[0.0000156] ND	--	--	--	--	--	--	--
Fluoranthene	0.26	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Fluorene	0.29	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Indeno[1,2,3-c,d]pyrene	0.00019	[0.0000245] ND	[0.0000261] ND	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--
Naphthalene	0.0017	[0.000049] ND	R	[0.000075] ND	[0.000078] ND	--	--	--	--	--	--	--
Phenanthrene	0.17	[0.000049] ND	0.000046 J, Q-	0.0000335 J	[0.000078] ND	--	--	--	--	--	--	--
Pyrene	0.12	[0.0000245] ND	R	[0.0000375] ND	[0.0000391] ND	--	--	--	--	--	--	--

Notes:
 0.015 BOLD values indicate an exceedance of ADEC 18 AAC 75, Table C Groundwater criteria.
 A Values from ADEC 18 AAC 75, Table C, Groundwater Cleanup Levels, as applicable (most recently updated October 18, 2023).
 B Field sample identification, date collected, and laboratory sample identification number are provided.
 C Sample results for detected values are listed in mg/L. The LOD is shown for non-detect results.
 D Total values are the summation of detected compounds only. The highest LOD was listed for ND analytes.

Data Flags:
 [x.xx] ND The number in brackets is the LOD.
 J Estimated value
 UB Non-detect due to an associated blank detection.
 UJ Non-detect with an estimated reporting limit.
 Q Estimated due to QC issues. A "+" or "-" indicates high or low bias.
 R The data is rejected due to one or more QC issues.
 ND non-detect
 PAH polynuclear aromatic hydrocarbon
 QC quality control
 SIM selective ion monitoring

Abbreviations:
 -- not applicable or analyte not sampled
 AAC Alaska Administrative Code
 ADEC Alaska Department of Environmental Conservation
 DL detection limit
 LOD limit of detection
 LOQ limit of quantitation
 LV low volume
 mg/L milligram per liter



Appendix A Photograph Log

2025 Groundwater Monitoring Report

Remote Gate Valve 35A

Alyeska Pipeline Service Company

ADEC File No.: 330.38.125

February 19, 2026

2025 RGV-35A Groundwater Monitoring Report

Photo 1: Sampling MW-193 (August 5, 2025)



Photo 2: Performing a level loop survey (August 5, 2025)



Appendix B Field Logbook and Field Forms

2025 Groundwater Monitoring Report

Remote Gate Valve 35A

Alyeska Pipeline Service Company

ADEC File No.: 330.38.125

February 19, 2026



6 8/5/24-25 RGV-35A GW LOS.0214(9.0000)

Daily Summary Gerard Gony. M: Toms.

- o Sampled All 3 wells on 8/5/24
- o Level loop survey each well
- o Maintenance of wells to be done during MLV

Chronology

1245 Depart PSO4

1420 Arrive RGV-35A

1505 Sample MW-192 / MW-191 duplicate

1525 Start level loop survey. Temp
Benchmark is on SW concrete block
b.H.

BS FS
Temp BM 2.27
MW-192 3.25 3.27
Temp BM 2.25
5.52 5.52 ✓ error = 0

BS FS
Temp BM 2.96 —
MW-193 3.56 3.36
MW-191 3.43 3.49
Temp BM — 3.09
9.95 9.97 error = 0.01

8/5/24-25 RGV-35A GW LOS.0214(9.0000)

1635 Sample MW-193

1730 Sample MW-191

1755 Depart RGV-35A

1930 Arrive PSO4

8/5/24²⁵

GG

Groundwater Sampling Form

Site/Client Name: K6U-35A **Well ID:** MW-191
Project #: 105.021414.00001 **Sample ID:** MW-191
Sampled By: GG/MT **Sample Time:** 1730 **Sample Date:** 8/5/25
Weather Conditions: 65-70° Sunny **Duplicate ID:** _____
Sampling Method: Low Flow Other _____ **MS/MSD** Yes No **Trip Blank Required:** Yes No

Well Information
Well Type: Permanent Temporary **Well Diameter:** 1 in. **Screen Interval:** _____ ft BGS to _____ ft BGS
Well Condition: Good Fair Poor (if fair or poor explain in Notes) **Stickup:** Yes No; If yes, _____ ft above ground

Gauging/Purging Information
Depth to Water (ft BTOC): 3.5 **Tubing/Pump Depth (ft. BTOC):** ~9
Total Depth (ft BTOC): 10.49 **Purge Start Time (24-hr):** 17:04
Depth to Product (ft. BTOC): _____ **Purge End Time (24-hr):** 1:35
Product Thickness (ft): _____ **Total Purge Time (min):** 31

LOW FLOW: Max Draw Down = (Tubing Depth - Top of Screen Depth) _____ X 0.25 = _____ (ft); if screen interval is not known or water table is below top of screen, then use default value of 0.3 ft. 1 gal = 3.785L, 1L = 0.264 gal
Min. purge volume if required: purge volume (gal) = volume of water/ft _____ (gal/ft) X Water column thickness _____ (ft) X # of casing volumes _____ = _____ gal
 Well Diameter - gal/ft: 1" - 0.041 gal/ft, 2" - 0.163 gal/ft, 4" - 0.653 gal/ft, 6" - 1.469 gal/ft

Water Quality Parameters
(Achieve stable parameters for 3 consecutive reading, 4 parameters if practical [each reading taken after pumping a minimum of 1 flow through cell volume])

Time (24-hr)	Flow Rate (mL/minute)	Purge Volume (L or gal Circle one)	Temp (°C) (± 3%)	Specific Conductance (µS/cm²) (± 3%)	DO (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10mV)	Turbidity (NTU) (± 10%, or <5 NTU)	DTW (ft BTOC)	Drawdown (ft) (Max _____ ft)
17 12	300	7.9	7.9	783	2.1	7.34	134.1	4.55	3.52	0.01
17 15	300	8.	8.0	783	1.6	7.34	133.7	3.45	3.52	0.01
17 18	300		7.8	783	0.15	7.34	133.1	3.80	3.52	0.01
17 21	300		7.8	781	0.14	7.34	132.6	3.45	3.52	0.01
17 24	300		7.7	784	0.13	7.34	132.3	3.47	3.52	0.01

Parameter Stable (Check applicable) _____
Sample Color: clear **Sample Odor:** hv **Sheen:** no

Analyses	Analytical Sampling	
	Check Applicable	Comments
G20	<input checked="" type="checkbox"/>	
WOCs	<input checked="" type="checkbox"/>	
DRE/MW	<input checked="" type="checkbox"/>	
PAHs	<input checked="" type="checkbox"/>	

Notes: Casing needs to be trimmed, flush mount needs replacement. Removed Tubing

Equipment:
 Tubing: Polyethylene PFTE-Lined Other _____
 Pump/Bailer: per _____ O.D. 1/4" 3/8" 1/2" Left in well Yes No
 W.L. Indicator: 201119 Turbidity Meter (Make/SN#): AAeH Multi-Parameter Meter make/SN# YSI PRO 0239
Purge Water Handling: Discharged to surface Containerized Treated (how?): 2x GAC Filtered Yes No Lot # _____

Site/Client Name: <u>AGU-35A</u>	Well ID: <u>MW-192</u>
Project #: <u>105.021414.00001</u>	Sample ID: <u>MW-192</u>
Sampled By: <u>GG/M7</u>	Sample Time: <u>1505</u> Sample Date: <u>8/5/25</u>
Weather Conditions: <u>65-70° Sunny</u>	Duplicate ID: <u>MW-199</u>
Sampling Method: <input checked="" type="checkbox"/> Low Flow <input type="checkbox"/> Other _____	MS/MSD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Trip Blank Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Well Information		
Well Type: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary	Well Diameter: <u>1</u> in.	Screen Interval: _____ ft BGS to _____ ft BGS
Well Condition: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor (if fair or poor explain in Notes)		Stickup <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No; if yes, _____ ft above ground

Gauging/Purging Information	
Depth to Water (ft BTOC): <u>3.21</u>	Tubing/Pump Depth (ft. BTOC): <u>~ 30</u>
Total Depth (ft BTOC): <u>30.44 11.72</u>	Purge Start Time (24-hr) <u>1444</u>
Depth to Product (ft. BTOC) <u>—</u>	Purge End Time (24-hr) <u>1520</u>
Product Thickness (ft) <u>—</u>	Total Purge Time (min) <u>36</u>

LOW FLOW: Max Draw Down = (Tubing Depth - Top of Screen Depth) _____ X 0.25 = _____ (ft); if screen interval is not known or water table is below top of screen, then use default value of 0.3 ft. **1 gal = 3.785L, 1L = 0.264 gal**

Min. purge volume if required: purge volume (gal) = volume of water/ft _____ (gal/ft) X Water column thickness _____ (ft) X # of casing volumes _____ = _____ gal

Well Diameter - gal/ft	1" - 0.041 gal/ft	2" - 0.163 gal/ft	4" - 0.653 gal/ft	6" - 1.469 gal/ft
------------------------	-------------------	-------------------	-------------------	-------------------

Water Quality Parameters										
(Achieve stable parameters for 3 consecutive reading, 4 parameters if practical [each reading taken after pumping a minimum of 1 flow through cell volume])										
Time (24-hr)	Flow Rate (mL/minute)	Purge Volume (gal or gal Circle one)	Temp (°C) (± 3%)	Specific Conductance (µS/cm²) (± 3%)	DO (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10mV)	Turbidity (NTU) (± 10%, or <5 NTU)	DTW (ft BTOC)	Drawdown (ft) (Max _____ ft)
1452	300	1.824	7.6	794	1.10	7.18	170.0	—	3.24	0.03
1455	300	3.3	7.6	792	0.78	7.20	169.7	13.8	3.24	0.05
1458	300	4.2	7.5	790	0.59	7.22	167.0	9.1	3.24	0.03
1501	300	5.1	7.5	783	0.43	7.24	163.3	10.6	3.24	0.03
1504	300	6.0	7.5	785	0.41	7.24	163.0	8.7	3.24	0.03
Parameter Stable (Check applicable)			✓	✓	✓	✓				

Sample Color: clear **Sample Odor:** none **Sheen:** no

Analytical Sampling		
Analyses	Check Applicable	Comments
<u>GA</u>	3 x 2	✓
<u>PAHs</u>	3 x 2	✓
<u>DRIVING</u>	2 x 2	✓
<u>PAHs</u>	2 x 2	✓

Notes: Casing needs to be turned

Equipment:

Tubing: Polyethylene PFTE-Lined Other _____ O.D. 1/4" 3/8" 1/2" Left in well Yes No

Pump/Bailer AGI Multi-Parameter Meter make/SN# YSI PRO 0234

W.L. Indicator Solinst Turbidity Meter (Make/SN#) HACA Filtered Yes No Lot # _____

Purge Water Handling: Discharged to surface Containerized Treated (how?) 2x GAC



Groundwater Sampling Form

Site/Client Name: 16V-35A				Well ID: MW193 MW-193						
Project #: 105-021414.00001				Sample ID: MW-193						
Sampled By: GG/MT				Sample Time: 1655		Sample Date: 9/15/25				
Weather Conditions: 65°F Sunny				Duplicate ID: ---						
Sampling Method: <input checked="" type="checkbox"/> Low Flow <input type="checkbox"/> Other _____				MS/MSD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Trip Blank Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Well Information										
Well Type: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary		Well Diameter: 4.2 in.		Screen Interval: _____ ft BGS to _____ ft BGS						
Well Condition: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor (if fair or poor explain in Notes)				Stickup <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No; if yes, _____ ft above ground						
Gauging/Purging Information										
Depth to Water (ft BTOC): 3.69				Tubing/Pump Depth (ft. BTOC): ~9						
Total Depth (ft BTOC): 9.90				Purge Start Time (24-hr): 1637						
Depth to Product (ft. BTOC): ---				Purge End Time (24-hr): 1659						
Product Thickness (ft): ---				Total Purge Time (min): 22						
LOW FLOW: Max Draw Down = (Tubing Depth - Top of Screen Depth) _____ X 0.25 = _____ (ft); if screen interval is not known or water table is below top of screen, then use default value of 0.3 ft. 1 gal = 3.785L, 1L = 0.264 gal										
Min. purge volume if required: purge volume (gal) = volume of water/ft _____ (gal/ft) X Water column thickness _____ (ft) X # of casing volumes _____ = _____ gal										
Well Diameter - gal/ft		1" - 0.041 gal/ft		2" - 0.163 gal/ft		4" - 0.653 gal/ft		6" - 1.469 gal/ft		
Water Quality Parameters										
(Achieve stable parameters for 3 consecutive reading, 4 parameters if practical [each reading taken after pumping a minimum of 1 flow through cell volume])										
Time (24-hr)	Flow Rate (mL/minute)	Purge Volume (L or gal Circle one)	Temp (°C) (± 3%)	Specific Conductance (µS/cm°) (± 3%)	DO (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10mV)	Turbidity (NTU) (± 10%, or <5 NTU)	DTW (ft BTOC)	Drawdown (ft) (Max _____ ft)
16 42	300	1.5	7.1	748.0	2.3	7.32	134.8	12.9	3.10	8.01
16 45	300	2.4	7.1	746.1	1.8	7.33	134.1	9.59	3.70	0.01
16 48	300	3.3	7.2	742.8	0.15	7.33	132.1	7.13	3.70	0.01
16 51	300	4.2	7.2	741.6	0.13	7.33	132.7	5.72	3.70	0.01
Parameter Stable (Check applicable) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>										
Sample Color: clr			Sample Odor: no			Sheen: no				
Analytical Sampling										
Analyses				Check Applicable			Comments			
GAB				<input checked="" type="checkbox"/>						
PDOCs				<input checked="" type="checkbox"/>						
VRO/RAO				<input checked="" type="checkbox"/>						
(A)s				<input checked="" type="checkbox"/>						
Notes: Casing needs to be trimmed										
Equipment:										
Tubing: <input type="checkbox"/> Polyethylene <input checked="" type="checkbox"/> PTFE-Lined <input type="checkbox"/> Other _____				O.D. <input checked="" type="checkbox"/> 1/4" <input type="checkbox"/> 3/8" <input type="checkbox"/> 1/2"		Left in well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Pump/Bailer per.				Multi-Parameter Meter make/SN# 62 0239						
W.L. Indicator 55110				Turbidity Meter (Make/SN#) AACH		Filtered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Lot # _____				
Purge Water Handling: <input type="checkbox"/> Discharged to surface <input type="checkbox"/> Containerized <input checked="" type="checkbox"/> Treated (how?) BAC 2x										



Appendix C Laboratory Data Quality Assurance Report

2025 Groundwater Monitoring Report

Remote Gate Valve 35A

Alyeska Pipeline Service Company

ADEC File No.: 330.38.125

February 19, 2026

REPORT

LABORATORY DATA QUALITY ASSURANCE REVIEW

RGV 35A WATER MONITORING

ALYESKA PIPELINE SERVICE COMPANY

October 2025

Prepared by: Jennifer Poppe
Reviewed by: Robert Klieforth

SLR International Corporation
2700 Gambell Street, Suite 200
Anchorage, AK 99503

SLR Project Number 105.021414.00001
ADEC File Number 330.38.125
Hazard ID: 26247

ACRONYMS AND ABBREVIATIONS

%	percent
AAC	Alaska Administrative Code
AK	Alaska Method
ADEC	Alaska Department of Environmental Conservation
°C	degrees Celsius
CCV	continuing calibration verification
COC	chain of custody
DL	detection limit
DRO	diesel range organics
EDD	electronic data deliverable
GRO	gasoline range organics
ID	identifier
LCL	lower control limit
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LOD	limit of detection
LOQ	limit of quantitation
LV	low volume
mg/L	milligram per liter
MB	method blank
MS	matrix spike
MSD	matrix spike duplicate
NFG	National Functional Guidelines for Organic Superfund Methods Data Review
PAH	polynuclear aromatic hydrocarbons
PVOCs	petroleum volatile organic compounds
QA	quality assurance
QAR	quality assurance review
QC	quality control
RGV	remote gate valve
RPD	relative percent difference
RRO	residual range organics
SDG	sample delivery group
SGS	SGS North America, Inc.
SIM	selective ion monitoring
SLR	SLR International Corporation
USEPA	United States Environmental Protection Agency
VOA	volatile organic analysis

Introduction

This report summarizes a review of analytical data for groundwater samples collected on July 31, 2024, at Remote Gate Valve (RGV) 35A. Samples were collected by SLR International Corporation (SLR). SGS North America, Inc. (SGS) provided analytical support to the project. SGS maintains a current Alaska Department of Environmental Conservation (ADEC) Contaminated Sites approval number 17-021 for the applicable analytical methods. Table 1 provides a summary of the work order, sample receipt, analytical methods, and analytes.

Table 1 Sample Receipt, Matrix, Method, and Analyte Summary

SDG	Date Collected	Date Received by Laboratory	Temperature Blank	Method	Analyte
1254078	8/5/2025	8/7/2025	1.1 °C (Anchorage)	SW8260D	PVOCs ^{1,2}
				AK101	GRO ²
				AK102	DRO LV
				AK103	RRO LV
				SW8270E LV	PAH SIM

Note:

1 – PVOC analytes are: benzene, toluene, ethylbenzene, total xylenes (p & m –xylene and o-xylene), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, cyclohexane, isopropylbenzene (cumene), 1,2-dibromoethane, 1,2-dichloroethane, methyl-t-butyl ether, naphthalene, n-butylbenzene, n-hexane, sec-butylbenzene, and tert-butylbenzene.

2 – A trip blank was required and analyzed for these analytes.

Acronyms:

AK – Alaska Method

DRO – diesel range organics

GRO – gasoline range organics

LV – low volume

PAH – polynuclear aromatic hydrocarbons

PVOCs – petroleum volatile organic compounds

RRO – residual range organics

SDG – sample deliver group

SIM – selective ion monitoring

USEPA – U.S. Environmental Protection Agency

The laboratory final report was provided as a Level II deliverable which included documentation of the delivery group chain of custody (COC) and sample receipt condition, and Microsoft Access compatible electronic data deliverable (EDD). An ADEC Contaminated Sites Program Laboratory Data Review Checklist and portable document format (PDF) laboratory report for the SDG are provided electronically as Attachment 1 and Attachment 2.

Quality Assurance Program

A quality assurance (QA) program was followed for this project that addressed project administration, sampling, quality control (QC), and data review. SLR adhered to required and established sampling and COC protocols. The selected laboratory maintains an internal quality assurance program and standard operating procedures.

The analytical data was reviewed for consistency with the *2024 RGV-35A Groundwater Sampling Work Plan* (SLR, 2024), ADEC Technical Memorandum, *Guidelines for Data Reporting* (ADEC, 2022) requirements, *National Functional Guidelines for Organic Superfund Methods Data Review* (NFG, United States Environmental Protection Agency [USEPA], 2020), analytical method criteria, and laboratory criteria. A review for any anomalies to the project requirements for precision, accuracy, bias, comparability, sensitivity, representativeness, and completeness are noted in this Quality Assurance Review (QAR), and any data qualifications discussed.

The data review included the following, as applicable:

- Reviewing COC records for completeness, signatures, and dates;
- Identifying any sample receipt or preservation anomalies that could impact data quality;
- Verifying that QC blanks (e.g., field blanks, equipment blanks, trip blanks, method blanks, etc.) were properly prepared, identified, and analyzed;
- Evaluating whether laboratory reporting limits met project goals;
- Reviewing calibration verification recoveries, to include confirming that the laboratory did not identify any Continuing Calibration Verification (CCV) recoveries or other calibration related criteria as being outside applicable acceptance limits;
- Reviewing the case narratives for any discussion of any internal standard recoveries outside of acceptance limits. Internal standard performance was not otherwise presented in the report or in the electronic data deliverables and was reviewed only from the case narratives;
- Verifying that surrogate analyses were within recovery acceptance limits;
- Verifying that Laboratory Control Samples (LCS) and Laboratory Control Sample Duplicates (LCSD) recoveries were within acceptance limits;
- Evaluating the result relative percent difference (RPD) between primary and duplicate field samples and LCS/LCSDs; and
- Providing an overall assessment of laboratory data quality and qualifying sample results as necessary.

Data Qualifications

As part of the quality assurance review, qualifiers (i.e. data flags) were applied to data as determined necessary based on specified criteria, or professional judgement. In all cases, the basis for qualification and the applied data flag are discussed in this QAR. Table 2 provides a list of potential qualifiers (i.e., flags). These data flags were appended to the data as appropriate.

Table 2 Data Qualifiers

Lab Qualifier (Flag)	NFG Qualifier (Flag)	Equivalent Project Qualifier (Flag) ^{1,2,3}	Definition
U	U	ND	The analyte was analyzed for, but was not detected above the detection limit (DL).
J	NJ	J	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample between the limit of quantitation (LOQ) and the DL. This qualifier is appended by the laboratory.
--	J	Q	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample, due to one or more laboratory quality control criteria (e.g., LCS recovery, surrogate spike recovery) failed or matrix effect. Where applicable, a "+" or "-" was appended to indicate a high bias, or a low bias respectively.
--	UJ	UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
--	R	R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
--	--	B, UB	Blank contamination: The result is an estimated quantity with potential high bias. The analyte was positively identified in the blank (e.g., trip blank and/or method blank) associated with the sample and the concentration reported for the sample was less than five times that of the blank (ten times for metals and common laboratory contaminants methylene chloride and acetone). Where applicable, "U" was appended prior to the "B" to indicate the blank detection was greater than the sample detection or both the blank detection and sample detection were below the LOQ, and the result is likely a false positive. The greater of the sample detection or LOQ was reported as non-detect in brackets.

Notes:

1 – Flags were appended to the data where applicable. The table presents laboratory, NFG and project equivalent qualifiers.

2 – Only flags in bold were applicable and appended to data for this project.

3 – For historical purposes, ND was used in place of "U."

A discussion of the project data quality goals and summary of any anomalies or failures requiring data qualifiers follows.

Data Validation

Data Packages

The data package was checked for transcription errors, omissions, or other anomalies. No issues were noted with regard to the data package.

Sample Receipt

The sample receipt documentation was checked for anomalies. No issues were noted regarding the receipt of samples. Samples were hand delivered by SLR to SGS in Anchorage with custody seals intact on arrival at the laboratory.

Preservation (Chemical and Temperature)

Samples were appropriately preserved and were submitted to SGS at an acceptable temperature. Issues with regards to sample preservation were limited to that noted below.

- One of three volatile organic analysis (VOA) vials provided for sample MW-191 was received at the laboratory with headspace greater than six millimeters. Presumably the laboratory used one of the two VOA vials without headspace for analysis. Data quality and usability were considered not impacted.

Holding Times

All sample extractions and analyses were conducted within the holding time criteria.

Laboratory Method Blanks

Analyte detections at or above the DL or limit of detection (LOD) in any method blanks (MBs) are listed in Table 3. Associated samples with results of non-detect or greater than five times that of the blank (ten times for common laboratory contaminants and metals) were considered not impacted and are not listed in the table. Laboratory method blanks were analyzed at the appropriate frequencies.

Data were qualified per NFG (USEPA, 2020) and SLR guidelines. A "B" flag was appended to impacted detections above the LOQ indicating estimated values with a potential high bias. Where the blank detection was greater than the sample detection or both the blank detection and associated sample detection were below the LOQ, the result was likely a false positive, thus the greater of the sample detection or LOQ were reported as non-detect. Results were flagged "UB" to indicate non-detect due to an associated blank detection and should be considered non-detectable.

Because all impacted data had LOQs below the applicable cleanup levels of 1.5 mg/L for DRO, data usability was not affected.

Table 3 Method Blank Detections and Affected Data

Sample ID	Prep. Batch	Method/Analyte	Lab. Result (mg/L)	LOQ (mg/L)	Reported Result with Flag ¹ (mg/L)
MB	XXX51953	AK102/DRO	0.207 J	0.6	0.207 J
MW-191	XXX51953	AK102/DRO	0.317 J	0.625	[0.625] UB
MW-192	XXX51953	AK102/DRO	0.638	0.636	0.638 B
MW-199	XXX51953	AK103/RRO	0.338 J	0.63	[0.63] UB
MW-193	XXX51953	AK102/DRO	0.392 J	0.63	[0.63] UB

Acronyms

ID – identifier

Trip Blanks

Trip blanks were submitted and analyzed at the appropriate frequencies for volatile methods (GRO by AK101 and PVOCs by Method SW8260D). The trip blank had results of ND below the DL and LOD for all analytes.

Reporting Limits

All ND results had LODs meeting applicable cleanup levels. Groundwater sample LODs were compared to Title 18 of the Alaska Administrative Code (AAC) Chapter 75, section 75.345 Table C, Groundwater Cleanup Levels (ADEC, 2023).

Continuous Calibration Verifications

All CCV recoveries had acceptable limits. CCV data were included only in the EDD, not in the case narrative. CCVs were analyzed at the appropriate frequencies.

Internal Standards

Internal standard performance criteria were considered met. No internal standards were noted in the case narrative as outside of acceptance limits.

Surrogate Recovery Results

All surrogate recoveries were within acceptable method and laboratory limits. Surrogate analysis was performed at the required frequencies.

Laboratory Control Samples and Laboratory Control Sample Duplicates

LCS and LCSD recoveries and RPDs were within acceptable limits. LCS and LCSDs were analyzed at the appropriate frequencies.

Matrix Spike and Matrix Spike Duplicate Samples

No MS or MSDs were analyzed. Precision and accuracy were established by an LCS/LCSD for all samples, except as noted in the LCS/LCSD section of this QAR.

Field Duplicates

The field duplicate sample frequency is presented in Table 4. Parent sample and field duplicate pairs are presented in Table 5. The frequency satisfied the requirement of one per 10 samples or less per matrix and analyte, and field duplicates were submitted blind to the laboratory.

Field duplicate RPDs not meeting the recommended ADEC limit of 30% for water samples are limited to those shown in Table 6. Samples with both results below the LOQ (J flagged or non-detect) were considered acceptable without qualification.

Data were qualified as shown in the table. All associated samples had results of non-detect, which were considered not impacted and were not qualified due to precision exceedances, as precision measures quantity, not presence or absence of an analyte. The detected RRO result for parent sample MW-192 was considered impacted and was qualified "Q" to indicate an estimated value with unknown bias. The impacted result was above the applicable cleanup level of 1.1 mg/L, and conservatively, all data were usable as qualified.

Table 4

Matrix	Analytical Method	Analyte	Number of Primary Samples	Number of Field Duplicates
GW	SW8260D	PVOCs	3	1
	AK101	GRO	3	1
	AK102	DRO LV	3	1
	AK 103	RRO LV	3	1
	SW8270D	PAH SIM LV	3	1

Table 5 Field Duplicate Identification

Parent Sample ID	Duplicate Sample ID	All RPDs acceptable (Y/N)
MW-192	MW-199	N

Table 6 Field Duplicate RPD Exceedances and Affected Data

Method	Analyte	Parent Sample	Result (mg/L)	Field Duplicate	Result (mg/L)	RPD (%)	Flag (Parent/Duplicate) ¹	Cleanup Level (mg/L)
AK103	RRO	MW-192	1.15	MW-199	[0.525] ND	75	Q/NA	1.1

Laboratory Duplicate Samples

No laboratory duplicates were analyzed.

Overall Assessment

Precision, Accuracy, Bias, Comparability, Sensitivity, Representativeness, and Completeness Summary

- Precision: Precision goals were met, except as noted in the Field Duplicates section.
- Accuracy/Bias: Accuracy goals were met.
- Comparability: Comparability goals were met. The same laboratory and methods were used.
- Sensitivity: Sensitivity goals were met, except as noted in the Method Blanks section.
- Representativeness: Representativeness goals were met. The samples were collected from usual locations.
- Completeness: Completeness goals were met. Data was 100% usable with respect to analysis.

This data were considered acceptable for use with the noted qualifications discussed in this QAR.

References

Alaska Department of Environmental Conservation (ADEC). 2023. 18 AAC 75, Oil and Other Hazardous Substances Pollution Control. As amended through October 18.

----- . 2022. ADEC Technical Memorandum *Guidelines for Data Reporting*. August 15.

SLR International Corporation. 2024. 2024 RGV-35A Groundwater Monitoring Work Plan. April 17.

United States Environmental Protection Agency (USEPA). 2020. National Functional Guidelines for Organic Superfund Methods Data Review (NFG). November.

Attachments

Attachment 1 – ADEC Laboratory Data Review Checklist

Attachment 2 – Laboratory Deliverable

Attachment 1

ADEC Laboratory Data Review Checklist

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Jennifer Poppe	CS Site Name:	PS01 FGTA GW Monitoring	Lab Name:	SGS, North America, Inc.
Title:	Chemist	ADEC File No.:	330.38.019	Lab Report No.:	1254589
Consulting Firm:	SLR International Corporation	Hazard ID No.:	1741	Lab Report Date:	September 22, 2025

Note: Any N/A or No box checked must have an explanation in the comments box.

1. Laboratory

- a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
Yes No N/A
Comments: SGS North America, Inc. (SGS) provided analytical support to the project. SGS maintains current ADEC CS approval number 17-021 for analytical methods of interest, as applicable.
- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
Yes No N/A
Comments: Click or tap here to enter text.

2. Chain of Custody (CoC)

- a. Is the CoC information completed, signed, and dated (including released/received by)?
Yes No N/A
Comments: Click or tap here to enter text.
- b. Were the correct analyses requested?
Yes No N/A
Analyses requested: The only discrepancy is that noted here. Sample MW-16R VOA vial labels requested GRO analysis on all six VOA vials instead of the intended three for GRO and three for PVOCs. Three of the VOA vials were assigned to PVOC analysis and sample MW-16R was appropriately analyzed for GRO and PVOCs as intended. Data completeness was not impacted.
Comments: Click or tap here to enter text.

3. Laboratory Sample Receipt Documentation

- a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
Yes No N/A
Cooler temperature(s): Temperature blanks were received at 0.1, and 0.1 degrees Celsius.
Sample temperature(s): Click or tap here to enter text.
Comments: Click or tap here to enter text.
- b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes No N/A
Comments: Click or tap here to enter text.
- c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes No N/A
Comments: No issues were noted.
- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes No N/A
Comments: One of three VOA vials for sample MW-18 was missing the “18” on the sample label.
- e. Is the data quality or usability affected?
Yes No N/A
Comments: Via process of elimination (no other VOA vials were missing) and the correlation location within the cooler it was determined that the vial was the third MW-18 VOA vial. The laboratory appropriately labeled and analyzed sample MW-18 for GRO and PVOCs as intended. Data completeness was not impacted.

4. Case Narrative

- a. Is the case narrative present and understandable?
Yes No N/A
Comments: Click or tap here to enter text.
- b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes No N/A
Comments: The following errors were noted regarding the case narrative:
The case narrative incorrectly noted that DRO data for samples MW-2, MW-4R, MW-8, MW-9, MW-99, MW-12, MW-13, MW-14R, MW-15, MW-18, MW-19, MW-20, MW-22, and MW-23 was reported from an extraction that was completed

within the 14-day method allowed holding time. The extraction took place one day past hold. Refer to 5b of this checklist for further discussion.

The case narrative noted that several SW8260D analytes had failing recoveries in the LCS and multiple LCS/LCSD RPD exceedances. All BTEX and PVOC analytes recovered within acceptable limits and reported acceptable LCS/LCSD RPDs. The exceedances apparently impacted only VOC analytes which were not target analytes for this project. No project data was affected.

- c. Were all the corrective actions documented?

Yes No N/A

Comments: None were taken.

- d. What is the effect on data quality/usability according to the case narrative?

Comments: Refer to 5b of this checklist.

5. Sample Results

- a. Are the correct analyses performed/reported as requested on CoC?

Yes No N/A

Comments: Click or tap here to enter text.

- b. Are all applicable holding times met?

Yes No N/A

Comments: DRO by Method AK102 was extracted one day past the method allowed 14-day holding time for samples MW-2, MW-4R, MW-8, MW-9, MW-99, MW-12, MW-13, MW-14R, MW-15, MW-18, MW-19, MW-20, MW-22, and MW-23. The case narrative incorrectly noted that the in-hold data was reported, when, in fact, the reported data was extracted past hold time.

- c. Are all soils reported on a dry weight basis?

Yes No N/A

Comments: Only waters were analyzed.

- d. Are the reported limits of quantitation (LoQ) or limits of detections (LOD), or reporting limits (RL) less than the Cleanup Level or the action level for the project?

Yes No N/A

Comments: Click or tap here to enter text.

- e. Is the data quality or usability affected?

Yes No N/A

Comments: Regarding the extraction hold time, because samples were chilled from the time of collection until extraction, and the semi-volatile analysis took place only one day past the hold time, the impact to data is considered minimal. All affected data is considered usable with the following assigned qualifiers. DRO detections above the limit of quantitation (LOQ), for impacted samples MW-9,

MW-99, MW-14R, MW-15, and MW-23, were qualified “Q-“, indicating a slight potential low bias. Non-detect (ND) results for impacted samples MW-2, MW-4R, and MW-13 were qualified “UJ” to reflect non-detects with estimated reporting limits. Samples MW-8, MW-12, MW-18, MW-20, and MW-22 were reported with “J” flags by the laboratory indicating estimated values below the LOQ. However, due to a DRO method blank detection, samples MW-8, MW-12, MW-18, MW-20, and MW-22 were reported as non-detect at the LOQ indicated by a “UB” flag. (Refer to the Method Blank section of this QAR for discussion.) As a result of the multiple QC issues, DRO results for samples MW-8, MW-12, MW-18, MW-20, and MW-22 were reported as non-detect at the LOQ “UB” with estimated reporting limits “UJ.” “UB” and “UJ” flags were appended to the data. All data were considered usable for the following reasons: DRO results above the LOQ, even with the potential low bias, were above or were well below the groundwater cleanup level of 1.5 mg/L. Similarly, all “UJ” flagged results had limits of detection (LODs) or LOQs well below the cleanup level. Therefore, all qualified data are usable as qualified.

6. QC Samples

a. Method Blank

- i. Was one method blank reported per matrix, analysis, and 20 samples?

Yes No N/A

Comments: Click or tap here to enter text.

- ii. Are all method blank results less than LOQ (or RL)?

Yes No

Comments: DRO was detected in the method blank between the DL and LOQ.

- iii. If above LoQ or RL, what samples are affected?

Comments: Associated samples with results within five times that of the blank were considered impacted. Affected data were MW-3, MW-93, MW-7R, MW-8, MW-12, MW-16R, MW-18, MW-19, MW-20, MW-22, and MW-23.

- iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes No N/A

Comments: Per NFG and SLR guidelines, where the blank detection was greater than the sample detection or both the blank detection and associated sample detection were below the LOQ, the result was likely a false positive and the greater of the sample detection or LOQ were reported as non-detect. Results were flagged “UB” to indicate non-detect due to an associated blank detection and should be considered non-detectable.

DRO results for samples MW-19 and MW-23 were qualified “B” and should be considered estimated with a potential high bias.

DRO results for samples MW-3, MW-93, MW-7R, and MW-16R were reported as non-detect at the LOQ indicated by the “UB” flag.

DRO results for samples were MW-8, MW-12, MW-18, MW-20, and MW-22 were reported as non-detect at the LOQ indicated by the “UB” flag and were qualified “UJ” due to the slight hold time exceedance (5b and 5e).

v. Data quality or usability affected?

Yes No N/A

Comments: In all cases, impacted results had LODs or LOQs well below the applicable cleanup level of 1.5 mg/L; therefore, data usability was not affected. All data were usable qualified

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes No N/A

Comments: Click or tap here to enter text.

ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes No N/A

Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes No N/A

Comments: Click or tap here to enter text.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes No N/A

Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments: NA

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes No N/A

Comments: Click or tap here to enter text.

vii. Is the data quality or usability affected?

Yes No N/A

Comments: Click or tap here to enter text.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?

Yes No N/A

Comments: Click or tap here to enter text.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?

Yes No N/A

Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?

Yes No N/A

Comments: Click or tap here to enter text.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.

Yes No N/A

Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments: NA

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes No N/A

Comments: Click or tap here to enter text.

vii. Is the data quality or usability affected?

Yes No N/A

Comments: Click or tap here to enter text.

CS Site Name: PS01 FGTA GW Monitoring

Lab Report No.: 1254589

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

- i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?

Yes No N/A

Comments: Click or tap here to enter text.

- ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)

Yes No N/A

Comments: Click or tap here to enter text.

- iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?

Yes No N/A

Comments: Click or tap here to enter text.

- iv. Is the data quality or usability affected?

Yes No N/A

Comments: Click or tap here to enter text.

e. Trip Blanks

- i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes No N/A

Comments: Click or tap here to enter text.

- ii. Are all results less than LoQ or RL?

Yes No N/A

Comments: Click or tap here to enter text.

- iii. If above LoQ or RL, what samples are affected?

Comments: NA

- iv. Is the data quality or usability affected?

Yes No N/A

Comments: Click or tap here to enter text.

f. Field Duplicate

- i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?

Yes No N/A

Comments:

- ii. Was the duplicate submitted blind to lab?

Yes No N/A

Comments: : Duplicates were MW-3/MW-93, MW-9/MW-99, and SW-2/SW-92.

- iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes No N/A

Comments: Click or tap here to enter text.

- iv. Is the data quality or usability affected? (Explain)

Yes No N/A

Comments: Click or tap here to enter text.

g. Decontamination or Equipment Blanks

- i. Were decontamination or equipment blanks collected?

Yes No N/A

Comments: Dedicated or disposable equipment was used for the collection of all samples.

- ii. Are all results less than LoQ or RL?

Yes No N/A

Comments: Click or tap here to enter text.

- iii. If above LoQ or RL, specify what samples are affected.

Comments: NA

- iv. Are data quality or usability affected?

Yes No N/A

Comments: Click or tap here to enter text.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

- a. Are they defined and appropriate?

Yes No N/A

Comments: Click or tap here to enter text.

Attachment 2

Laboratory Deliverable

(Data package and electronic file)

Laboratory Report of Analysis

To: Alyeska Pipeline Srv Co.
2700 Gambell Street Suite 200
Anchorage, AK 99503
(907)222-1112

Report Number: **1254078**

Client Project: **RGV-35A GW**

Dear Robert Klieforth,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.



Justin Nelson
2025.09.02
14:25:21 -08'00'

Justin Nelson
Project Manager
Justin.Nelson@sgs.com

Date

Case Narrative

SGS Client: **Alyeska Pipeline Srv Co.**

SGS Project: **1254078**

Project Name/Site: **RGV-35A GW**

Project Contact: **Robert Klieforth**

Refer to sample receipt form for information on sample condition.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 09/02/2025 1:01:03PM

Laboratory Qualifiers

Enclosed are the analytical results associated with the above work order. The results apply to the samples as received. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the context or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020B, 7470A, 7471B, 8015C, 8021B, 8082A, 8260D, 8270E, 8270E-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). SGS is only certified for the analytes listed on our Drinking Water Certification (DW methods: 200.8, 2130B, 2320B, 2510B, 300.0, 4500-CN-C,E, 4500-H-B, 4500-NO3-F, 4500-P-E and 524.2) and only those analytes will be reported to the State of Alaska for compliance. Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
DF	Analytical Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
GT	Greater Than
IB	Instrument Blank
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LLQC/LLIQC	Low Level Quantitation Check
LOD	Limit of Detection (i.e., 3/4 of the LOQ)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
RPD	Relative Percent Difference
TNTC	Too Numerous To Count
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content. All DRO/RRO analyses are integrated per SOP.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
MW-192	1254078001	08/05/2025	08/07/2025	Water (Surface, Eff., Ground)
MW-199	1254078002	08/05/2025	08/07/2025	Water (Surface, Eff., Ground)
MW-191	1254078003	08/05/2025	08/07/2025	Water (Surface, Eff., Ground)
MW-193	1254078004	08/05/2025	08/07/2025	Water (Surface, Eff., Ground)
Trip Blank	1254078005	08/05/2025	08/07/2025	Water (Surface, Eff., Ground)

<u>Method</u>	<u>Method Description</u>
8270E SIM LV (PAH)	8270 PAH SIM GC/MS LV
AK102	DRO/RRO Low Volume Water
AK103	DRO/RRO Low Volume Water
AK101	Gasoline Range Organics (W)
SW8260D	Volatile Organic Compounds (W) FULL

Print Date: 09/02/2025 1:01:08PM

Detectable Results Summary

Client Sample ID: **MW-192**
 Lab Sample ID: 1254078001
Semivolatile Organic Fuels

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Diesel Range Organics	0.638	mg/L
Residual Range Organics	1.15	mg/L

Client Sample ID: **MW-199**
 Lab Sample ID: 1254078002
Semivolatile Organic Fuels

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Diesel Range Organics	0.338J	mg/L

Client Sample ID: **MW-191**
 Lab Sample ID: 1254078003
Semivolatile Organic Fuels
Volatile Fuels

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Diesel Range Organics	0.317J	mg/L
Gasoline Range Organics	0.0512J	mg/L

Client Sample ID: **MW-193**
 Lab Sample ID: 1254078004
Semivolatile Organic Fuels

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Diesel Range Organics	0.392J	mg/L



Results of MW-192

Client Sample ID: MW-192
Client Project ID: RGV-35A GW
Lab Sample ID: 1254078001
Lab Project ID: 1254078

Collection Date: 08/05/25 15:05
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Polynuclear Aromatics GC/MS

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Lists various polynuclear aromatic hydrocarbons and their surrogate compounds with associated values.

Batch Information

Analytical Batch: XMS15022
Analytical Method: 8270E SIM LV (PAH)
Analyst: GLDC
Analytical Date/Time: 08/18/25 21:25
Container ID: 1254078001-A

Prep Batch: XXX51964
Prep Method: SW3535A
Prep Date/Time: 08/10/25 16:20
Prep Initial Wt./Vol.: 255 mL
Prep Extract Vol: 1 mL



Results of **MW-192**

Client Sample ID: **MW-192**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078001
Lab Project ID: 1254078

Collection Date: 08/05/25 15:05
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Diesel Range Organics	0.638		0.636	0.212	0.477	mg/L	1		08/31/25 12:50

Surrogates

5a Androstane (surr)	66		50-150			%	1		08/31/25 12:50
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK102
Analyst: MAN
Analytical Date/Time: 08/31/25 12:50
Container ID: 1254078001-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 236 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Residual Range Organics	1.15		0.530	0.212	0.398	mg/L	1		08/31/25 12:50

Surrogates

n-Triacontane-d62 (surr)	94.7		50-150			%	1		08/31/25 12:50
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK103
Analyst: MAN
Analytical Date/Time: 08/31/25 12:50
Container ID: 1254078001-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 236 mL
Prep Extract Vol: 1 mL



Results of **MW-192**

Client Sample ID: **MW-192**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078001
Lab Project ID: 1254078

Collection Date: 08/05/25 15:05
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0750	U	0.100	0.0450	0.0750	mg/L	1		08/09/25 05:36

Surrogates

4-Bromofluorobenzene (surr)	90.6		50-150			%	1		08/09/25 05:36
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Batch Information

Analytical Batch: VFC17362
Analytical Method: AK101
Analyst: EAH
Analytical Date/Time: 08/09/25 05:36
Container ID: 1254078001-H

Prep Batch: VXX43403
Prep Method: SW5030B
Prep Date/Time: 08/08/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Results of MW-192

Client Sample ID: **MW-192**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078001
 Lab Project ID: 1254078

Collection Date: 08/05/25 15:05
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Volatile GC/MS- Petroleum VOC Group

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,2,4-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
1,2-Dibromoethane	0.0562	U	0.0750	0.0180	0.0562	ug/L	1		08/08/25 15:53
1,2-Dichloroethane	0.375	U	0.500	0.200	0.375	ug/L	1		08/08/25 15:53
1,3,5-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		08/08/25 15:53
Cyclohexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Isopropylbenzene (Cumene)	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Methyl-t-butyl ether	7.50	U	10.0	3.10	7.50	ug/L	1		08/08/25 15:53
Naphthalene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
n-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
n-hexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
n-Propylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		08/08/25 15:53
sec-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
tert-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 15:53
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		08/08/25 15:53

Surrogates

1,2-Dichloroethane-D4 (surr)	106		81-118			%	1		08/08/25 15:53
4-Bromofluorobenzene (surr)	97.4		85-114			%	1		08/08/25 15:53
Toluene-d8 (surr)	98.5		89-112			%	1		08/08/25 15:53

Batch Information

Analytical Batch: VMS24664
 Analytical Method: SW8260D
 Analyst: M.C
 Analytical Date/Time: 08/08/25 15:53
 Container ID: 1254078001-E

Prep Batch: VXX43365
 Prep Method: SW5030B
 Prep Date/Time: 08/08/25 06:00
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL



Results of MW-199

Client Sample ID: **MW-199**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078002
 Lab Project ID: 1254078

Collection Date: 08/05/25 15:03
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Polynuclear Aromatics GC/MS

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
2-Methylnaphthalene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Acenaphthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Acenaphthylene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Anthracene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Benzo(a)Anthracene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Benzo[a]pyrene	0.0156	U	0.0208	0.00646	0.0156	ug/L	1		08/18/25 21:42
Benzo[b]Fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Benzo[g,h,i]perylene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Benzo[k]fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Chrysene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Dibenzo[a,h]anthracene	0.0156	U	0.0208	0.00646	0.0156	ug/L	1		08/18/25 21:42
Fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Fluorene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Indeno[1,2,3-c,d] pyrene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Naphthalene	0.0780	U	0.104	0.0323	0.0780	ug/L	1		08/18/25 21:42
Phenanthrene	0.0780	U	0.104	0.0323	0.0780	ug/L	1		08/18/25 21:42
Pyrene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 21:42
Surrogates									
2-Methylnaphthalene-d10 (surr)	60.3		38-100			%	1		08/18/25 21:42
Fluoranthene-d10 (surr)	81.4		30-111			%	1		08/18/25 21:42

Batch Information

Analytical Batch: XMS15022
 Analytical Method: 8270E SIM LV (PAH)
 Analyst: GLDC
 Analytical Date/Time: 08/18/25 21:42
 Container ID: 1254078002-A

Prep Batch: XXX51964
 Prep Method: SW3535A
 Prep Date/Time: 08/10/25 16:20
 Prep Initial Wt./Vol.: 240 mL
 Prep Extract Vol: 1 mL



Results of **MW-199**

Client Sample ID: **MW-199**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078002
Lab Project ID: 1254078

Collection Date: 08/05/25 15:03
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Diesel Range Organics	0.338	J	0.630	0.210	0.473	mg/L	1		08/31/25 13:00

Surrogates

5a Androstane (surr)	62.1		50-150			%	1		08/31/25 13:00
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK102
Analyst: MAN
Analytical Date/Time: 08/31/25 13:00
Container ID: 1254078002-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 238 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Residual Range Organics	0.394	U	0.525	0.210	0.394	mg/L	1		08/31/25 13:00

Surrogates

n-Triacontane-d62 (surr)	89.2		50-150			%	1		08/31/25 13:00
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK103
Analyst: MAN
Analytical Date/Time: 08/31/25 13:00
Container ID: 1254078002-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 238 mL
Prep Extract Vol: 1 mL

Results of MW-199

Client Sample ID: **MW-199**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078002
 Lab Project ID: 1254078

Collection Date: 08/05/25 15:03
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0750	U	0.100	0.0450	0.0750	mg/L	1		08/18/25 07:42

Surrogates

4-Bromofluorobenzene (surr)	88.3		50-150			%	1		08/18/25 07:42
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Batch Information

Analytical Batch: VFC17371
 Analytical Method: AK101
 Analyst: EAH
 Analytical Date/Time: 08/18/25 07:42
 Container ID: 1254078002-G

Prep Batch: VXX43429
 Prep Method: SW5030B
 Prep Date/Time: 08/17/25 06:00
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL



Results of MW-199

Client Sample ID: MW-199
Client Project ID: RGV-35A GW
Lab Sample ID: 1254078002
Lab Project ID: 1254078

Collection Date: 08/05/25 15:03
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS- Petroleum VOC Group

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Lists various petroleum VOCs like 1,2,4-Trimethylbenzene, Benzene, Toluene, etc.

Surrogates

Table with 6 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Lists surrogate compounds like 1,2-Dichloroethane-D4 (surr).

Batch Information

Analytical Batch: VMS24664
Analytical Method: SW8260D
Analyst: M.C
Analytical Date/Time: 08/08/25 16:08
Container ID: 1254078002-E

Prep Batch: VXX43365
Prep Method: SW5030B
Prep Date/Time: 08/08/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Results of MW-191

Client Sample ID: **MW-191**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078003
 Lab Project ID: 1254078

Collection Date: 08/05/25 17:30
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Polynuclear Aromatics GC/MS

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
2-Methylnaphthalene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Acenaphthene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Acenaphthylene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Anthracene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Benzo(a)Anthracene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Benzo[a]pyrene	0.0153	U	0.0204	0.00633	0.0153	ug/L	1		08/18/25 21:59
Benzo[b]Fluoranthene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Benzo[g,h,i]perylene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Benzo[k]fluoranthene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Chrysene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Dibenzo[a,h]anthracene	0.0153	U	0.0204	0.00633	0.0153	ug/L	1		08/18/25 21:59
Fluoranthene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Fluorene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Indeno[1,2,3-c,d] pyrene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Naphthalene	0.0765	U	0.102	0.0316	0.0765	ug/L	1		08/18/25 21:59
Phenanthrene	0.0765	U	0.102	0.0316	0.0765	ug/L	1		08/18/25 21:59
Pyrene	0.0382	U	0.0510	0.0153	0.0382	ug/L	1		08/18/25 21:59
Surrogates									
2-Methylnaphthalene-d10 (surr)	64.7		38-100			%	1		08/18/25 21:59
Fluoranthene-d10 (surr)	73.8		30-111			%	1		08/18/25 21:59

Batch Information

Analytical Batch: XMS15022
 Analytical Method: 8270E SIM LV (PAH)
 Analyst: GLDC
 Analytical Date/Time: 08/18/25 21:59
 Container ID: 1254078003-A

Prep Batch: XXX51964
 Prep Method: SW3535A
 Prep Date/Time: 08/10/25 16:20
 Prep Initial Wt./Vol.: 245 mL
 Prep Extract Vol: 1 mL



Results of MW-191

Client Sample ID: MW-191
Client Project ID: RGV-35A GW
Lab Sample ID: 1254078003
Lab Project ID: 1254078

Collection Date: 08/05/25 17:30
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Row 1: Diesel Range Organics, 0.317, J, 0.625, 0.208, 0.469, mg/L, 1, 08/31/25 13:09

Surrogates

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Row 1: 5a Androstane (surr), 61.5, 50-150, %, 1, 08/31/25 13:09

Batch Information

Analytical Batch: XFC17413
Analytical Method: AK102
Analyst: MAN
Analytical Date/Time: 08/31/25 13:09
Container ID: 1254078003-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 240 mL
Prep Extract Vol: 1 mL

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Row 1: Residual Range Organics, 0.391, U, 0.521, 0.208, 0.391, mg/L, 1, 08/31/25 13:09

Surrogates

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Row 1: n-Triacontane-d62 (surr), 83.5, 50-150, %, 1, 08/31/25 13:09

Batch Information

Analytical Batch: XFC17413
Analytical Method: AK103
Analyst: MAN
Analytical Date/Time: 08/31/25 13:09
Container ID: 1254078003-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 240 mL
Prep Extract Vol: 1 mL



Results of **MW-191**

Client Sample ID: **MW-191**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078003
Lab Project ID: 1254078

Collection Date: 08/05/25 17:30
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0512	J	0.100	0.0450	0.0750	mg/L	1		08/15/25 07:08

Surrogates

4-Bromofluorobenzene (surr)	83		50-150			%	1		08/15/25 07:08
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Batch Information

Analytical Batch: VFC17366
Analytical Method: AK101
Analyst: EAH
Analytical Date/Time: 08/15/25 07:08
Container ID: 1254078003-F

Prep Batch: VXX43415
Prep Method: SW5030B
Prep Date/Time: 08/15/25 00:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Results of MW-191

Client Sample ID: **MW-191**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078003
 Lab Project ID: 1254078

Collection Date: 08/05/25 17:30
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Volatile GC/MS- Petroleum VOC Group

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,2,4-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
1,2-Dibromoethane	0.0562	U	0.0750	0.0180	0.0562	ug/L	1		08/08/25 16:24
1,2-Dichloroethane	0.375	U	0.500	0.200	0.375	ug/L	1		08/08/25 16:24
1,3,5-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		08/08/25 16:24
Cyclohexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Isopropylbenzene (Cumene)	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Methyl-t-butyl ether	7.50	U	10.0	3.10	7.50	ug/L	1		08/08/25 16:24
Naphthalene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
n-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
n-hexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
n-Propylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		08/08/25 16:24
sec-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
tert-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 16:24
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		08/08/25 16:24

Surrogates

1,2-Dichloroethane-D4 (surr)	105		81-118			%	1		08/08/25 16:24
4-Bromofluorobenzene (surr)	99.5		85-114			%	1		08/08/25 16:24
Toluene-d8 (surr)	97.8		89-112			%	1		08/08/25 16:24

Batch Information

Analytical Batch: VMS24664
 Analytical Method: SW8260D
 Analyst: M.C
 Analytical Date/Time: 08/08/25 16:24
 Container ID: 1254078003-E

Prep Batch: VXX43365
 Prep Method: SW5030B
 Prep Date/Time: 08/08/25 06:00
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL



Results of MW-193

Client Sample ID: **MW-193**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078004
 Lab Project ID: 1254078

Collection Date: 08/05/25 16:35
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Polynuclear Aromatics GC/MS

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
2-Methylnaphthalene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Acenaphthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Acenaphthylene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Anthracene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Benzo(a)Anthracene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Benzo[a]pyrene	0.0156	U	0.0208	0.00646	0.0156	ug/L	1		08/18/25 22:15
Benzo[b]Fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Benzo[g,h,i]perylene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Benzo[k]fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Chrysene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Dibenzo[a,h]anthracene	0.0156	U	0.0208	0.00646	0.0156	ug/L	1		08/18/25 22:15
Fluoranthene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Fluorene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Indeno[1,2,3-c,d] pyrene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15
Naphthalene	0.0780	U	0.104	0.0323	0.0780	ug/L	1		08/18/25 22:15
Phenanthrene	0.0780	U	0.104	0.0323	0.0780	ug/L	1		08/18/25 22:15
Pyrene	0.0391	U	0.0521	0.0156	0.0391	ug/L	1		08/18/25 22:15

Surrogates

2-Methylnaphthalene-d10 (surr)	67.5		38-100			%	1		08/18/25 22:15
Fluoranthene-d10 (surr)	87.4		30-111			%	1		08/18/25 22:15

Batch Information

Analytical Batch: XMS15022
 Analytical Method: 8270E SIM LV (PAH)
 Analyst: GLDC
 Analytical Date/Time: 08/18/25 22:15
 Container ID: 1254078004-A

Prep Batch: XXX51964
 Prep Method: SW3535A
 Prep Date/Time: 08/10/25 16:20
 Prep Initial Wt./Vol.: 240 mL
 Prep Extract Vol: 1 mL



Results of **MW-193**

Client Sample ID: **MW-193**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078004
Lab Project ID: 1254078

Collection Date: 08/05/25 16:35
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Diesel Range Organics	0.392	J	0.630	0.210	0.473	mg/L	1		08/31/25 13:19

Surrogates

5a Androstane (surr)	58.9		50-150			%	1		08/31/25 13:19
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK102
Analyst: MAN
Analytical Date/Time: 08/31/25 13:19
Container ID: 1254078004-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 238 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Residual Range Organics	0.394	U	0.525	0.210	0.394	mg/L	1		08/31/25 13:19

Surrogates

n-Triacontane-d62 (surr)	85.2		50-150			%	1		08/31/25 13:19
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Batch Information

Analytical Batch: XFC17413
Analytical Method: AK103
Analyst: MAN
Analytical Date/Time: 08/31/25 13:19
Container ID: 1254078004-C

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 08/08/25 21:47
Prep Initial Wt./Vol.: 238 mL
Prep Extract Vol: 1 mL

Results of MW-193

Client Sample ID: **MW-193**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078004
 Lab Project ID: 1254078

Collection Date: 08/05/25 16:35
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0750	U	0.100	0.0450	0.0750	mg/L	1		08/15/25 07:26

Surrogates

4-Bromofluorobenzene (surr)	85.3		50-150			%	1		08/15/25 07:26
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Batch Information

Analytical Batch: VFC17366
 Analytical Method: AK101
 Analyst: EAH
 Analytical Date/Time: 08/15/25 07:26
 Container ID: 1254078004-F

Prep Batch: VXX43415
 Prep Method: SW5030B
 Prep Date/Time: 08/15/25 00:00
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL



Results of MW-193

Client Sample ID: MW-193
Client Project ID: RGV-35A GW
Lab Sample ID: 1254078004
Lab Project ID: 1254078

Collection Date: 08/05/25 16:35
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS- Petroleum VOC Group

Table with 9 columns: Parameter, Result, Qual, LOQ/CL, DL, LOD, Units, DF, Allowable Limits, Date Analyzed. Lists various petroleum VOCs like 1,2,4-Trimethylbenzene, Benzene, Toluene, etc.

Surrogates

Table with 6 columns: Surrogate Name, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists 1,2-Dichloroethane-D4, 4-Bromofluorobenzene, Toluene-d8.

Batch Information

Analytical Batch: VMS24664
Analytical Method: SW8260D
Analyst: M.C
Analytical Date/Time: 08/08/25 16:39
Container ID: 1254078004-E

Prep Batch: VXX43365
Prep Method: SW5030B
Prep Date/Time: 08/08/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Results of Trip Blank

Client Sample ID: **Trip Blank**
Client Project ID: **RGV-35A GW**
Lab Sample ID: 1254078005
Lab Project ID: 1254078

Collection Date: 08/05/25 07:00
Received Date: 08/07/25 14:24
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0750	U	0.100	0.0450	0.0750	mg/L	1		08/18/25 05:14

Surrogates

4-Bromofluorobenzene (surr)	88.1		50-150			%	1		08/18/25 05:14
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Batch Information

Analytical Batch: VFC17371
Analytical Method: AK101
Analyst: EAH
Analytical Date/Time: 08/18/25 05:14
Container ID: 1254078005-F

Prep Batch: VXX43429
Prep Method: SW5030B
Prep Date/Time: 08/17/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Results of Trip Blank

Client Sample ID: **Trip Blank**
 Client Project ID: **RGV-35A GW**
 Lab Sample ID: 1254078005
 Lab Project ID: 1254078

Collection Date: 08/05/25 07:00
 Received Date: 08/07/25 14:24
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Volatile GC/MS- Petroleum VOC Group

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,2,4-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
1,2-Dibromoethane	0.0562	U	0.0750	0.0180	0.0562	ug/L	1		08/08/25 14:22
1,2-Dichloroethane	0.375	U	0.500	0.200	0.375	ug/L	1		08/08/25 14:22
1,3,5-Trimethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Benzene	0.300	U	0.400	0.120	0.300	ug/L	1		08/08/25 14:22
Cyclohexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Ethylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Isopropylbenzene (Cumene)	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Methyl-t-butyl ether	7.50	U	10.0	3.10	7.50	ug/L	1		08/08/25 14:22
Naphthalene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
n-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
n-hexane	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
n-Propylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
o-Xylene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
P & M -Xylene	1.50	U	2.00	0.620	1.50	ug/L	1		08/08/25 14:22
sec-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
tert-Butylbenzene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Toluene	0.750	U	1.00	0.310	0.750	ug/L	1		08/08/25 14:22
Xylenes (total)	2.25	U	3.00	1.00	2.25	ug/L	1		08/08/25 14:22

Surrogates

1,2-Dichloroethane-D4 (surr)	108		81-118			%	1		08/08/25 14:22
4-Bromofluorobenzene (surr)	98.6		85-114			%	1		08/08/25 14:22
Toluene-d8 (surr)	97.9		89-112			%	1		08/08/25 14:22

Batch Information

Analytical Batch: VMS24664
 Analytical Method: SW8260D
 Analyst: M.C
 Analytical Date/Time: 08/08/25 14:22
 Container ID: 1254078005-A

Prep Batch: VXX43365
 Prep Method: SW5030B
 Prep Date/Time: 08/08/25 06:00
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL



Method Blank

Blank ID: MB for HBN 1916025 [VXX/43365]
Blank Lab ID: 1838006

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1254078001, 1254078002, 1254078003, 1254078004, 1254078005

Results by SW8260D

Parameter	Results	LOQ/CL	DL	LOD	Units
1,2,4-Trimethylbenzene	0.750U	1.00	0.310	0.750	ug/L
1,2-Dibromoethane	0.0562U	0.0750	0.0180	0.0562	ug/L
1,2-Dichloroethane	0.375U	0.500	0.200	0.375	ug/L
1,3,5-Trimethylbenzene	0.750U	1.00	0.310	0.750	ug/L
Benzene	0.300U	0.400	0.120	0.300	ug/L
Cyclohexane	0.750U	1.00	0.310	0.750	ug/L
Ethylbenzene	0.750U	1.00	0.310	0.750	ug/L
Isopropylbenzene (Cumene)	0.750U	1.00	0.310	0.750	ug/L
Methyl-t-butyl ether	7.50U	10.0	3.10	7.50	ug/L
Naphthalene	0.750U	1.00	0.310	0.750	ug/L
n-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
n-hexane	0.750U	1.00	0.310	0.750	ug/L
n-Propylbenzene	0.750U	1.00	0.310	0.750	ug/L
o-Xylene	0.750U	1.00	0.310	0.750	ug/L
P & M -Xylene	1.50U	2.00	0.620	1.50	ug/L
sec-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
tert-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
Toluene	0.750U	1.00	0.310	0.750	ug/L
Xylenes (total)	2.25U	3.00	1.00	2.25	ug/L

Surrogates

1,2-Dichloroethane-D4 (surr)	108	81-118		0	%
4-Bromofluorobenzene (surr)	98.4	85-114		0	%
Toluene-d8 (surr)	98.1	89-112		0	%

Batch Information

Analytical Batch: VMS24664
Analytical Method: SW8260D
Instrument: VPA 780/5975 GC/MS
Analyst: M.C
Analytical Date/Time: 8/8/2025 12:21:00PM

Prep Batch: VXX43365
Prep Method: SW5030B
Prep Date/Time: 8/8/2025 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:15PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [VXX43365]
 Blank Spike Lab ID: 1838007
 Date Analyzed: 08/08/2025 12:37

Spike Duplicate ID: LCSD for HBN 1254078 [VXX43365]
 Spike Duplicate Lab ID: 1838008
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078001, 1254078002, 1254078003, 1254078004, 1254078005

Results by SW8260D

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
1,2,4-Trimethylbenzene	30	31.1	104	30	29.5	98	(79-124)	5.40	(< 20)
1,2-Dibromoethane	30	31.3	104	30	29.7	99	(77-121)	5.20	(< 20)
1,2-Dichloroethane	30	30.6	102	30	28.7	96	(73-128)	6.50	(< 20)
1,3,5-Trimethylbenzene	30	30.9	103	30	29.1	97	(75-124)	6.00	(< 20)
Benzene	30	30.8	103	30	29.2	98	(79-120)	5.20	(< 20)
Cyclohexane	30	31.9	106	30	30.3	101	(70-130)	5.00	(< 20)
Ethylbenzene	30	30.5	102	30	29.0	97	(79-121)	5.10	(< 20)
Isopropylbenzene (Cumene)	30	30.9	103	30	29.8	99	(72-131)	3.50	(< 20)
Methyl-t-butyl ether	45	48.7	108	45	45.7	102	(71-124)	6.30	(< 20)
Naphthalene	30	31.5	105	30	27.9	93	(61-128)	12.30	(< 20)
n-Butylbenzene	30	31.8	106	30	30.3	101	(75-128)	4.60	(< 20)
n-hexane	30	33.4	111	30	32.4	108	(70-130)	3.00	(< 20)
n-Propylbenzene	30	30.5	102	30	29.1	97	(76-126)	4.50	(< 20)
o-Xylene	30	30.7	102	30	29.4	98	(78-122)	4.40	(< 20)
P & M -Xylene	60	61.6	103	60	58.9	98	(80-121)	4.50	(< 20)
sec-Butylbenzene	30	31.4	105	30	29.8	99	(77-126)	5.20	(< 20)
tert-Butylbenzene	30	30.7	102	30	29.5	98	(78-124)	3.90	(< 20)
Toluene	30	29.7	99	30	28.6	95	(80-121)	3.80	(< 20)
Xylenes (total)	90	92.3	103	90	88.2	98	(79-121)	4.50	(< 20)
Surrogates									
1,2-Dichloroethane-D4 (surr)	30		102	30		100	(81-118)	2.30	
4-Bromofluorobenzene (surr)	30		100	30		99	(85-114)	0.91	
Toluene-d8 (surr)	30		99	30		100	(89-112)	1.10	

Batch Information

Analytical Batch: VMS24664
 Analytical Method: SW8260D
 Instrument: VPA 780/5975 GC/MS
 Analyst: M.C

Prep Batch: VXX43365
 Prep Method: SW5030B
 Prep Date/Time: 08/08/2025 06:00
 Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:18PM

Method Blank

Blank ID: MB for HBN 1916260 [VXX/43403]
 Blank Lab ID: 1839146

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
 1254078001

Results by AK101

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Gasoline Range Organics	0.0750U	0.100	0.0450	0.0750	mg/L
Surrogates					
4-Bromofluorobenzene (surr)	88.7	50-150		0	%

Batch Information

Analytical Batch: VFC17362
 Analytical Method: AK101
 Instrument: Agilent 7890 PID/FID
 Analyst: EAH
 Analytical Date/Time: 8/9/2025 2:27:00AM

Prep Batch: VXX43403
 Prep Method: SW5030B
 Prep Date/Time: 8/8/2025 6:00:00AM
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:21PM



Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [VXX43403]
 Blank Spike Lab ID: 1839147
 Date Analyzed: 08/09/2025 05:54

Spike Duplicate ID: LCSD for HBN 1254078 [VXX43403]
 Spike Duplicate Lab ID: 1839148
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078001

Results by AK101

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL	
	Spike	Result	Rec (%)	Spike	Result	Rec (%)				
Gasoline Range Organics	1.00	0.753	75	1.00	0.748	75	(60-120)	0.76	(< 20)	
Surrogates										
4-Bromofluorobenzene (surr)	0.0500		98	0.0500		100	(50-150)	2.20		

Batch Information

Analytical Batch: **VFC17362**
 Analytical Method: **AK101**
 Instrument: **Agilent 7890 PID/FID**
 Analyst: **EAH**

Prep Batch: **VXX43403**
 Prep Method: **SW5030B**
 Prep Date/Time: **08/08/2025 06:00**
 Spike Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:25PM



Method Blank

Blank ID: MB for HBN 1916322 [VXX/43415]

Blank Lab ID: 1839385

QC for Samples:

1254078003, 1254078004

Matrix: Water (Surface, Eff., Ground)

Results by AK101

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Gasoline Range Organics	0.0750U	0.100	0.0450	0.0750	mg/L
Surrogates					
4-Bromofluorobenzene (surr)	89.8	50-150		0	%

Batch Information

Analytical Batch: VFC17366

Analytical Method: AK101

Instrument: Agilent 7890A PID/FID

Analyst: EAH

Analytical Date/Time: 8/15/2025 1:58:00AM

Prep Batch: VXX43415

Prep Method: SW5030B

Prep Date/Time: 8/15/2025 12:00:00AM

Prep Initial Wt./Vol.: 5 mL

Prep Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:27PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [VXX43415]
 Blank Spike Lab ID: 1839386
 Date Analyzed: 08/15/2025 02:35

Spike Duplicate ID: LCSD for HBN 1254078 [VXX43415]
 Spike Duplicate Lab ID: 1839387
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078003, 1254078004

Results by AK101

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Gasoline Range Organics	1.00	1.07	107	1.00	0.973	97	(60-120)	9.30	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	0.0500		96	0.0500		93	(50-150)	2.90	

Batch Information

Analytical Batch: **VFC17366**
 Analytical Method: **AK101**
 Instrument: **Agilent 7890A PID/FID**
 Analyst: **EAH**

Prep Batch: **VXX43415**
 Prep Method: **SW5030B**
 Prep Date/Time: **08/15/2025 00:00**
 Spike Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:30PM

Method Blank

Blank ID: MB for HBN 1916391 [VXX/43429]
 Blank Lab ID: 1839638

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
 1254078002, 1254078005

Results by AK101

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Gasoline Range Organics	0.0750U	0.100	0.0450	0.0750	mg/L
Surrogates					
4-Bromofluorobenzene (surr)	85.3	50-150		0	%

Batch Information

Analytical Batch: VFC17371
 Analytical Method: AK101
 Instrument: Agilent 7890 PID/FID
 Analyst: EAH
 Analytical Date/Time: 8/17/2025 7:15:00PM

Prep Batch: VXX43429
 Prep Method: SW5030B
 Prep Date/Time: 8/17/2025 6:00:00AM
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [VXX43429]
 Blank Spike Lab ID: 1839641
 Date Analyzed: 08/17/2025 20:11

Spike Duplicate ID: LCSD for HBN 1254078 [VXX43429]
 Spike Duplicate Lab ID: 1839642
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078002, 1254078005

Results by AK101

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Gasoline Range Organics	1.00	0.822	82	1.00	0.827	83	(60-120)	0.55	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	0.0500		89	0.0500		92	(50-150)	3.30	

Batch Information

Analytical Batch: **VFC17371**
 Analytical Method: **AK101**
 Instrument: **Agilent 7890 PID/FID**
 Analyst: **EAH**

Prep Batch: **VXX43429**
 Prep Method: **SW5030B**
 Prep Date/Time: **08/17/2025 06:00**
 Spike Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 0.0500 mg/L Extract Vol: 5 mL

Print Date: 09/02/2025 1:01:36PM



Method Blank

Blank ID: MB for HBN 1915991 [XXX/51953]
Blank Lab ID: 1837903

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1254078001, 1254078002, 1254078003, 1254078004

Results by AK102

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Diesel Range Organics	0.207J	0.600	0.200	0.450	mg/L
Surrogates					
5a Androstane (surr)	64.7	60-120		0	%

Batch Information

Analytical Batch: XFC17413
Analytical Method: AK102
Instrument: Agilent 7890B F
Analyst: MAN
Analytical Date/Time: 8/31/2025 2:29:00AM

Prep Batch: XXX51953
Prep Method: SW3520C
Prep Date/Time: 8/8/2025 9:47:00PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

Print Date: 09/02/2025 1:01:38PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [XXX51953]
 Blank Spike Lab ID: 1837904
 Date Analyzed: 08/31/2025 02:39

Spike Duplicate ID: LCSD for HBN 1254078
 [XXX51953]
 Spike Duplicate Lab ID: 1837905
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078001, 1254078002, 1254078003, 1254078004

Results by AK102

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Diesel Range Organics	20	16.0	80	20	16.7	84	(75-125)	4.50	(< 20)
Surrogates									
5a Androstane (surr)	0.4		87	0.4		95	(60-120)	8.40	

Batch Information

Analytical Batch: **XFC17413**
 Analytical Method: **AK102**
 Instrument: **Agilent 7890B F**
 Analyst: **MAN**

Prep Batch: **XXX51953**
 Prep Method: **SW3520C**
 Prep Date/Time: **08/08/2025 21:47**
 Spike Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL
 Dupe Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL

Print Date: 09/02/2025 1:01:41PM

Method Blank

Blank ID: MB for HBN 1915991 [XXX/51953]
 Blank Lab ID: 1837903

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
 1254078001, 1254078002, 1254078003, 1254078004

Results by AK103

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>LOD</u>	<u>Units</u>
Residual Range Organics	0.375U	0.500	0.200	0.375	mg/L
Surrogates					
n-Triacontane-d62 (surr)	94.6	60-120		0	%

Batch Information

Analytical Batch: XFC17413
 Analytical Method: AK103
 Instrument: Agilent 7890B F
 Analyst: MAN
 Analytical Date/Time: 8/31/2025 2:29:00AM

Prep Batch: XXX51953
 Prep Method: SW3520C
 Prep Date/Time: 8/8/2025 9:47:00PM
 Prep Initial Wt./Vol.: 250 mL
 Prep Extract Vol: 1 mL

Print Date: 09/02/2025 1:01:47PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [XXX51953]
 Blank Spike Lab ID: 1837904
 Date Analyzed: 08/31/2025 02:39

Spike Duplicate ID: LCSD for HBN 1254078 [XXX51953]
 Spike Duplicate Lab ID: 1837905
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078001, 1254078002, 1254078003, 1254078004

Results by AK103

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Residual Range Organics	20	18.2	91	20	20.4	102	(60-120)	11.10	(< 20)
Surrogates									
n-Triacontane-d62 (surr)	0.4		85	0.4		93	(60-120)	9.10	

Batch Information

Analytical Batch: **XFC17413**
 Analytical Method: **AK103**
 Instrument: **Agilent 7890B F**
 Analyst: **MAN**

Prep Batch: **XXX51953**
 Prep Method: **SW3520C**
 Prep Date/Time: **08/08/2025 21:47**
 Spike Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL
 Dupe Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL

Print Date: 09/02/2025 1:01:50PM



Method Blank

Blank ID: MB for HBN 1916017 [XXX/51964]
Blank Lab ID: 1837973

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1254078001, 1254078002, 1254078003, 1254078004

Results by 8270E SIM LV (PAH)

Parameter	Results	LOQ/CL	DL	LOD	Units
1-Methylnaphthalene	0.0375U	0.0500	0.0150	0.0375	ug/L
2-Methylnaphthalene	0.0375U	0.0500	0.0150	0.0375	ug/L
Acenaphthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Acenaphthylene	0.0375U	0.0500	0.0150	0.0375	ug/L
Anthracene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo(a)Anthracene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[a]pyrene	0.0150U	0.0200	0.00620	0.0150	ug/L
Benzo[b]Fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[g,h,i]perylene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[k]fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Chrysene	0.0375U	0.0500	0.0150	0.0375	ug/L
Dibenzo[a,h]anthracene	0.0150U	0.0200	0.00620	0.0150	ug/L
Fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Fluorene	0.0375U	0.0500	0.0150	0.0375	ug/L
Indeno[1,2,3-c,d] pyrene	0.0375U	0.0500	0.0150	0.0375	ug/L
Naphthalene	0.0750U	0.100	0.0310	0.0750	ug/L
Phenanthrene	0.0750U	0.100	0.0310	0.0750	ug/L
Pyrene	0.0375U	0.0500	0.0150	0.0375	ug/L
Surrogates					
2-Methylnaphthalene-d10 (surr)	67	38-100		0	%
Fluoranthene-d10 (surr)	77.6	30-111		0	%

Batch Information

Analytical Batch: XMS15022
Analytical Method: 8270E SIM LV (PAH)
Instrument: Agilent 8890 GC/MS SYA
Analyst: GLDC
Analytical Date/Time: 8/18/2025 7:45:00PM

Prep Batch: XXX51964
Prep Method: SW3535A
Prep Date/Time: 8/10/2025 4:20:00PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

Print Date: 09/02/2025 1:01:52PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1254078 [XXX51964]
 Blank Spike Lab ID: 1837974
 Date Analyzed: 08/18/2025 20:02

Spike Duplicate ID: LCSD for HBN 1254078
 [XXX51964]
 Spike Duplicate Lab ID: 1837975
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1254078001, 1254078002, 1254078003, 1254078004

Results by 8270E SIM LV (PAH)

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
1-Methylnaphthalene	2	1.19	60	2	1.30	65	(41-115)	8.30	(< 20)
2-Methylnaphthalene	2	0.990	50	2	1.18	59	(39-114)	17.70	(< 20)
Acenaphthene	2	1.26	63	2	1.38	69	(48-114)	9.30	(< 20)
Acenaphthylene	2	1.26	63	2	1.39	70	(35-121)	9.60	(< 20)
Anthracene	2	1.35	68	2	1.52	76	(53-119)	11.50	(< 20)
Benzo(a)Anthracene	2	1.29	64	2	1.50	75	(59-120)	15.40	(< 20)
Benzo[a]pyrene	2	1.26	63	2	1.46	73	(53-120)	14.50	(< 20)
Benzo[b]Fluoranthene	2	1.35	68	2	1.58	79	(53-126)	15.50	(< 20)
Benzo[g,h,i]perylene	2	1.18	59	2	1.39	70	(44-128)	16.90	(< 20)
Benzo[k]fluoranthene	2	1.26	63	2	1.48	74	(54-125)	16.10	(< 20)
Chrysene	2	1.34	67	2	1.55	77	(57-120)	14.60	(< 20)
Dibenzo[a,h]anthracene	2	1.20	60	2	1.42	71	(44-131)	16.80	(< 20)
Fluoranthene	2	1.27	63	2	1.46	73	(58-120)	14.00	(< 20)
Fluorene	2	1.34	67	2	1.50	75	(50-118)	11.10	(< 20)
Indeno[1,2,3-c,d] pyrene	2	1.31	65	2	1.56	78	(48-130)	17.30	(< 20)
Naphthalene	2	1.05	53	2	1.17	58	(43-114)	10.50	(< 20)
Phenanthrene	2	1.36	68	2	1.55	78	(53-115)	13.30	(< 20)
Pyrene	2	1.24	62	2	1.41	71	(53-121)	13.30	(< 20)
Surrogates									
2-Methylnaphthalene-d10 (surr)	2		60	2		68	(38-100)	11.80	
Fluoranthene-d10 (surr)	2		65	2		75	(30-111)	15.40	

Batch Information

Analytical Batch: XMS15022
 Analytical Method: 8270E SIM LV (PAH)
 Instrument: Agilent 8890 GC/MS SYA
 Analyst: GLDC

Prep Batch: XXX51964
 Prep Method: SW3535A
 Prep Date/Time: 08/10/2025 16:20
 Spike Init Wt./Vol.: 2 ug/L Extract Vol: 1 mL
 Dupe Init Wt./Vol.: 2 ug/L Extract Vol: 1 mL



1254078



SGS North America Inc. CHAIN OF CUSTODY RECORD

SGS North America Inc. 200 West Potter Drive Anchorage, AK 99518 engage.sgs.com www.us.sgs.com

SGS LIMS Profile: 162313 CSW

CLIENT: SLR co Alyeska **Instructions:** Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis. Page 1 of 1

CONTACT: Jen Poppe **PHONE #:** 907-201-7206 **Section 3** Preservative

PROJECT NAME: 16V-35A GW **Project/Permit Number:** **NPDL Number(DOD):**

REPORTS TO: Robert K. J Poppe **E-MAIL:** jpoppe@slrconsulting.com; cvenot@slrconsulting.com

INVOICE TO: APSC **QUOTE #:** **P.O. #:** 200# C-sites 105.021414.00001

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/MATRIX CODE	# CONTAINERS	Sample Type	Analysis*										REMARKS/LOC ID
							6020 Total Cr	7195 Flexatent Cr	AK402403 DEQ/ERO	AK4040021 GRO/BTEX	8270 SIM PAH	AK402403	AK402403	AK402403	AK402403	AK402403	
	MW-192	8/5/25	1535	Water	10	G						X	X	X	X		
	MW-194		1503	Water	10							X	X	X	X		
	MW-191		1730		10							X	X	X	X		
	MW-193	8/5/25	1655		10							X	X	X	X		
	Trip Blank	8/5/25	0700	w	6									X	X		

Comments:

Section 4 DOD Project? YES NO **Turnaround Time Requested** Standard Rush **SGS Sample Receipt (Lab Use Only)** Delivery Method: Client Commercial Chain of Custody Seal Condition: INTACT BROKEN ABSENT **COG Seal Location(s):** 2F

Section 5 **RELINQUISHED BY:** **DATE:** **TIME:** **RECEIVED BY:** **Cooler ID** **Temperature (°C)** **Therm. ID**

Robert K. J Poppe	8/6/25	1130	[Signature]	1.	1.1	D53
[Signature]	8/7/25	223	[Signature]	2.		
				3.		

Intials: _____

Laboratory Use Only <http://www.sgs.com/terms-and-conditions> 38 of 41



1254078



SAMPLE RECEIPT FORM

Project Manager Completion				
Was all necessary information recorded on the COC upon receipt? (Temperature, COC seals, etc.?)	<input checked="" type="radio"/> Yes	No	N/A	
Was temperature between 0-6° C?	<input checked="" type="radio"/> Yes	No	N/A	If "No", are the samples either exempt* or sampled <8 hours prior to receipt?
Were all analyses received within holding time**?	<input checked="" type="radio"/> Yes	No	N/A	
Was a method specified for each analysis, where applicable? If no, please note correct methods.	<input checked="" type="radio"/> Yes	No	N/A	
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	No	<input checked="" type="radio"/> N/A	
If rush was requested by the client, was the requested TAT approved?	Yes	No	<input checked="" type="radio"/> N/A	If "NO", what is the approved TAT?
If SEDD Deliverables are required, were Location ID's and an NPDL Number provided?	Yes	No	<input checked="" type="radio"/> N/A	If "NO", contact client for information.
Sample Login Completion				
Do ID's on sample containers match COC?	<input checked="" type="radio"/> Yes	No	N/A	
If provided on containers, do dates/times collected match COC?	<input checked="" type="radio"/> Yes	No	N/A	Note: If times differ <1 hr., record details below and login per COC.
Were all sample containers received in good condition?	<input checked="" type="radio"/> Yes	No	N/A	
Were proper containers (type/mass/volume/preservative) received for all samples? <i>*See form F-083 "Sample Guide"</i>	<input checked="" type="radio"/> Yes	No	N/A	Note: If 200.8/6020 Total Metals are received unpreserved, preserve, and note HNO3 lot here: If 200.8/6020 Dissolved Metals are received unpreserved, log in for LABFILTER and do not preserve. For all non-metals methods, inform Project Manager.
Were Trip Blanks (VOC, GRO, Low-Level Hg, etc.) received with samples, where applicable*?	<input checked="" type="radio"/> Yes	No	N/A	
Were all VOA vials free of headspace >6mm?	Yes	<input checked="" type="radio"/> No	N/A	
Were all soil VOA samples received field extracted with Methanol?	Yes	No	<input checked="" type="radio"/> N/A	
Did all soil VOA samples have an accompanying unpreserved container for % solids?	Yes	No	<input checked="" type="radio"/> N/A	
If special handling is required, were containers labelled appropriately? e.g. MI/ISM, foreign soils, lab filter, Ref Lab, limited volume	<input checked="" type="radio"/> Yes	No	N/A	
For Rush/Short Holding time, was the lab notified?	Yes	No	<input checked="" type="radio"/> N/A	
For any question answered "NO", was the Project Manager notified?	<input checked="" type="radio"/> Yes	No	N/A	PM Initials: <i>gm</i>
Was Peer Review of sample numbering/labelling completed?	<input checked="" type="radio"/> Yes	No	N/A	Reviewer Initials: <i>js</i>
Additional Notes/Clarification where Applicable, including resolution of "No" answers when a change order is not attached:				
MW-191 P/WOC headspace greater than 6mm				



Sample Containers and Preservatives

<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>	<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>
1254078001-A	No Preservative Required	OK			
1254078001-B	No Preservative Required	OK			
1254078001-C	HCL to pH < 2	OK			
1254078001-D	HCL to pH < 2	OK			
1254078001-E	HCL to pH < 2	OK			
1254078001-F	HCL to pH < 2	OK			
1254078001-G	HCL to pH < 2	OK			
1254078001-H	HCL to pH < 2	OK			
1254078001-I	HCL to pH < 2	OK			
1254078001-J	HCL to pH < 2	OK			
1254078002-A	No Preservative Required	OK			
1254078002-B	No Preservative Required	OK			
1254078002-C	HCL to pH < 2	OK			
1254078002-D	HCL to pH < 2	OK			
1254078002-E	HCL to pH < 2	OK			
1254078002-F	HCL to pH < 2	OK			
1254078002-G	HCL to pH < 2	OK			
1254078002-H	HCL to pH < 2	OK			
1254078002-I	HCL to pH < 2	OK			
1254078002-J	HCL to pH < 2	OK			
1254078003-A	No Preservative Required	OK			
1254078003-B	No Preservative Required	OK			
1254078003-C	HCL to pH < 2	OK			
1254078003-D	HCL to pH < 2	OK			
1254078003-E	HCL to pH < 2	OK			
1254078003-F	HCL to pH < 2	OK			
1254078003-G	HCL to pH < 2	OK			
1254078003-H	HCL to pH < 2	BU			
1254078003-I	HCL to pH < 2	OK			
1254078003-J	HCL to pH < 2	OK			
1254078004-A	No Preservative Required	OK			
1254078004-B	No Preservative Required	OK			
1254078004-C	HCL to pH < 2	OK			
1254078004-D	HCL to pH < 2	OK			
1254078004-E	HCL to pH < 2	OK			
1254078004-F	HCL to pH < 2	OK			
1254078004-G	HCL to pH < 2	OK			
1254078004-H	HCL to pH < 2	OK			
1254078004-I	HCL to pH < 2	OK			
1254078004-J	HCL to pH < 2	OK			
1254078005-A	HCL to pH < 2	OK			
1254078005-B	HCL to pH < 2	OK			
1254078005-C	HCL to pH < 2	OK			
1254078005-D	HCL to pH < 2	OK			
1254078005-E	HCL to pH < 2	OK			
1254078005-F	HCL to pH < 2	OK			

Container Id

Preservative

Container
Condition

Container Id

Preservative

Container
Condition

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.

BU - The container was received with headspace greater than 6mm.

DM - The container was received damaged.

FR - The container was received frozen and not usable for Bacteria or BOD analyses.

IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.

NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.

PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

QN - Insufficient sample quantity provided.