STATE OF COLORADO

Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>

Submittal – Second Quarter 2025 TR-10 Water Monitoring Report (Permit M-1977-410)

Rmittasch@nedmining.com <Rmittasch@nedmining.com> Fri, Aug 1, 2025 at 12:35 PM
To: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>
Cc: John Rinko <johnrinko@yahoo.com>, JP Brewer <jpbrewer@nedmining.com>

Dear Patrick,

Please find attached Grand Island Resources' *Second Quarter 2025 Groundwater, Mine Effluent, Surface Water and Treatment Plant Effluent Quality Report* (dated 30 July 2025). The report is submitted pursuant to the requirements of Technical Revision #10 (TR-10) to Permit M-1977-410 and incorporates the subsequent approvals granted under TR-14 (quarterly sampling frequency) and TR-15 (reduced analyte list).

Below is a brief synopsis for your convenience:

- **Sampling event.** All media were sampled on **26 June 2025** in accordance with the approved monitoring plan.
- **Groundwater.** Analytical results for the Cabin (Compliance), Cross and Caribou wells show **no exceedances** of the most-stringent Table 1 standards in Regulation 41.
- **Mine effluent.** Results for the Cross and Caribou portals likewise met the applicable standards; highlighted cells in Table 3.1 identify values closest to the reference criteria, but all remain below regulatory limits.
- **Surface water.** Up- and downstream stations (2022-01 and 2022-02) exhibited comparable quality; no constituent exceeded acute or chronic stream standards.
- **Treatment plant effluent.** Copies of the April–June 2025 DMRs for Outfall-001 (NPDES CO-0032751) are included; all parameters complied with permit limits.
- **Potentiometric surface.** Figures 36–38 illustrate stable groundwater elevations during April–June 2025; tables 2.2.1-2.2.3 provide supporting data.
- **Quality assurance/quality control.** Trip blanks, field duplicates and matrix spikes were collected for each medium; QC review indicates acceptable precision and accuracy.

We believe the attached report fulfills all TR-10 quarterly reporting obligations. Should the Division require any additional information or clarification, please let me know and we will respond promptly.

Thank you for your continued assistance.

Kind Regards,

Richard Mittasch, Vice President

Nederland Mining Consultants, Inc.

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4415 Caribou Rd, PO Box 3395, Nederland, CO 80466

TR-10 SECOND QUARTER 2025 - WATER MONITORING REPORT DRMS - 073025 FINAL.pdf
12263K

SECOND QUARTER 2025

GROUNDWATER, MINE EFFLUENT, SURFACE WATER AND TREATMENT PLANT EFFLUENT QUALITY

REPORT COMPLIANT WITH THE TERMS OF TECHNICAL REVISION #10 (TR-10)

Prepared by Grand Island Resources

JULY 30, 2025

Table of Contents

List of Appendices

1. Background

On April 28, 2022, the Division of Reclamation, Mining and Safety (Division) approved Technical Revision application (TR-10) filed with the Division on February 28, 2022, addressing the following: ***Modify the water management and treatment program and provide a surface water and groundwater monitoring program (in accordance with corrective action #1 of the Board Order issued for Violation No. MV-2021-017)***.

The terms of TR-10 approved by the Division were thereby incorporated into Permit No. M-1977-410. All other conditions and requirements of Permit No. M-1977-410 remain in full force and effect. Grand Island Resources (The Operator) will need to provide five consecutive quarters of groundwater monitoring data that include all sampling parameters and standards required by ***WQCC's "Interim Narrative Standard".*** At the time of issuance or this Quarterly Report, the Operator has collected and has analyzed, via third party laboratory, site waters from 7 monitoring locations, from May 2022 through June of 2025.

Water effluent from the mines is currently managed via the Treatment System into Coon Track Creek under CDPHE Water Quality Control Division (WQCD) National Pollutant Discharge Elimination System NPDES permit CO-0032751. Compliance samples from the Water Treatment System OUTFALL-001 are collected and tested twice per month; the results are submitted to CDPHE.

Technical Revision 10 (TR10) terms require The Operator to submit to DRMS Quarterly Water Monitoring Reports not later than 30 days from the end of the quarter.

GIR appeared before the MLR Board on January 18, 2023, where GIR presented testimony to the Board and requested to lift the Cease-and-Desist Order put into place during the February 2022 Board hearing for violation M2021-017. On March 13, 2023, the signed Board Order was issued which lifted the Cease-and-Desist Order for the site.

During the MLR Board January 2023 hearing, GIR withdrew the appeal of the Division's determination that the Cross Gold Mine was a designated mining operation (DMO). The due date for submitting the DMO Conversion Application was set to July 17, 2023, i.e., 180 days from the hearing date. GIR submitted to DRMS, a one-year extension request to the maximum allowed by Rule 7.2.3(2)(c). The extension request was approved by DRMS on March 1, 2023, which includes several stipulations including Stipulation #2 which states that all groundwater monitoring and reporting will continue as approved in Technical Revision 10 (TR10). This includes a written request for approval by GIR and approval by DRMS process whereby GIR will issue requests for approval letters to DRMS describing planned underground activities, objectives,

methods, expected disturbance, and impacts prevention mechanisms prior to commencement of the activities. Upon receiving written approval by DRMS, GIR will implement the actions.
The quarterly reports must include:

1.1. Analytical results for the 7 sampling locations described in Technical Revision #10 (TR10 - Figure 6),
1.2. Monthly Potentiometric Surface (water table) maps constructed from water table measurements taken during the sampling events. Figures 36, 37 and 38 depict surfaces for the months of April, May and June 2025, respectively,
1.3. Water Quality analytical results summary tables highlighting exceedances of select parameters from Regulation 41, Tables 1-4 water quality standards,
1.4. Laboratory data packages,
1.5. Chain of Custody sheets,
1.6. Field sheets for the sampling event(s).

On December 22, 2023, GIR requested a one-year extension for the filing of Designated Mining Operation (DMO) application. A Formal Public Hearing before the Board was scheduled for the Board meeting of January 17-18, 2024.

On January 17, 2024, the Board granted GIR's request extending the DMO application filing by 365 days.

On April 15, 2024, the Board issued to the Operator written confirmation of the Findings of Fact, Conclusion of Law, and Order and Bord Order document signed by the Board on April 11, 2024.

On January 31, 2024, GIR submitted to DRMS a request to Modify Water Sample Collection Frequency and Locations, Identified as Technical Revision 14 (TR-14), as follows:

Adjustment to Sampling Frequency

The Operator requests that the current sample collection is adjusted from Monthly Sampling to Once per Quarter Sampling.

Adjustment to Sampling Points

The Operator requests that the current 7 sample collection points (3 groundwater wells [Cross, Caribou and Compliance], 2 mine effluent points [Cross and Caribou Portals] and 2 surface water stations [one upstream and one downstream of the mine site], are adjusted to a single sample point for the site located at the Compliance Well.

On February 5, 2024, DRMS issued to GIR a partial approval of TR-14 addressing the request to change the sampling frequency at the site from monthly to quarterly. DRMS did not approve the request to reduce the number of sampling locations from seven (7) locations to one (1) location.

Resulting from TR-14 partial approval, the sample collected by GIR on June 26, 2025, serves as the sample for the Second Quarter 2025 subject of this report. The results for groundwater are provided on Table 2.1.1.

On August 27, 2024, GIR submitted to the Division of Reclamation, Mining and Safety (Division/DRMS) a request for Technical Revision 15 (TR-15) to reduce the analyte list for surface water, mine effluent and groundwater samples collected on a quarterly basis at the Cross Gold Mine.

On September 10, 2024, DRMS issued to GIR a Preliminary Adequacy Review; Technical Revision (TR-15) – Request to Reduce the Surface Water, Mine Effluent and Groundwater Sampling Analyte List; indicating that the application for TR-15 may be deemed inadequate and denied unless the following item is addressed to the Division's satisfaction.

> 1. Please provide updated tables for Surface Water and Groundwater and Effluent Testing Parameters that reflect what the Operator would be analyzing samples for once the requested reduction of analytes is approved.

On September 11, 2024, GIR provided DRMS with the requested tables for Surface Water and Groundwater and Effluent Testing Parameters that reflect what the Operator would be analyzing samples for once the requested reduction of analytes is approved.

On September 12, 2024, the Division approved TR-15.

The testing of Surface Water, Groundwater and Effluent for the Second Quarter of 2025 (June 26, 2025) reflects the approved TR-15 Analyte List.

On December 12, 2024, GIR submitted to DRMS the Designated Mining Operation Application.

2. Ground Water Monitoring

Three groundwater monitoring locations corresponding to existing ground water wells, namely, Cabin Well (Compliance), Cross Well and Caribou Well were selected by DRMS for the program. All 3 wells have permanent pumping system installations and water level dataloggers. Water samples for water quality determination are collected via the existing permanent pumping systems.

2.1. Water Quality Analytical Results

Test results from water samples collected from the three monitoring wells are presented on Table 2.1.1 corresponding to the month of June 2025. The results are presented as required and in accordance with the revised Analytical Parameters approved by DRMS as described in the preceding paragraph, the test results are compared with the most stringent concentrations (Standard) based on DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT Water Quality Control Commission REGULATION NO. 41 -THE BASIC STANDARDS FOR GROUNDWATER 5 CCR 1002-41. Water Quality Analytical Results from the Laboratories are provided in the appendices of this report.

Table 2.1.1 Groundwater Quality Test Results – Sample Date June 26, 2025

Parameter	Standard	Cross Well	Caribou Well	Caribou Well Duplicate	Compliance Well	Field Blank	Unit	Comments
Aluminum (Al)	**5**	ND	0.037	0.037	ND	ND	mg/l	Dissolved
Antimony (Sb)	**0.006**	ND	ND	ND	ND	ND	mg/l	Dissolved
Arsenic (As)	**0.01**	ND	ND	ND	ND	ND	mg/l	Dissolved
Barium (Ba)	**2**	0.028	0.0068	0.0070	0.031	ND	mg/l	Dissolved
Beta and Photon Emitters	**4**	1.31	1.07	1.15	0.779	0.213	pCi/l	Std is in mrem/year; Lab reports pCi/l
Boron (B)	**0.75**	ND	ND	ND	ND	ND	mg/l	Dissolved
Cadmium (Cd)	**0.005**	ND	ND	ND	ND	ND	mg/l	Dissolved
Chloride (Cl)	**250**	3.8	ND	ND	1.2	ND	mg/l	Dissolved
Copper (Cu)	**0.2**	0.0040	0.15	0.092	ND	ND	mg/l	Dissolved
Gross Alpha Particle Activity	**15**	0.161	0.274	0.239	0.572	0.117	pCi/l	
Iron (Fe)	**0.3**	ND	ND	ND	ND	ND	mg/l	Dissolved
Lead (Pb)	**0.05**	ND	ND	ND	ND	ND	mg/l	Dissolved
Manganese (Mn)	**0.05**	ND	ND	ND	0.0057	ND	mg/l	Dissolved
Molybdenum (Mo)	**0.21**	0.00089	ND	ND	0.0043	ND	mg/l	Dissolved
Nitrate (NO3)	**10.0**	0.39	0.15	0.15	0.26	ND	mg/l as N	Dissolved
Nitrate-Nitrite (total)	**10.0**	0.39	0.094	0.097	0.24	ND	mg/l as N	Dissolved
pH (field)	**6.5 - 8.5**	7.3	6.6	6.6	7.8	n/a	pH units	
Sulfate (SO4)	**250**	13	1.8	1.8	6.1	ND	mg/l	Dissolved
TDS	**400**	96	39	42	85	ND	mg/l	Total
Uranium (U)	**0.0168 -0.03**	ND	ND	ND	ND	ND	mg/l	Dissolved
Zinc (Zn)	**2**	0.71	ND	ND	0.066	ND	mg/l	Dissolved

The highlighted cells Indicate Test Results Higher than the Reference Values from Reg. 5 CCR 1002-41

"ND" Indicates Not Detected

2.2. Groundwater Levels and Potentiometric Water Surface

Potentiometric Figures were developed based on recorded (automated dataloggers) groundwater levels at each of the three monitoring wells. The Cross Winze water levels are also included.

Tables 2.2.1 - April, 2.2.2 May, and 2.2.3 June, provide date and groundwater elevations. The groundwater elevations shown on the tables were used to develop the potentiometric water surfaces depicted on Figures 36, 37, and 38 for the month of April, May, and June 2025, respectively.

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Table 2.2.1 Wells and Winze Groundwater Elevation – April 2025

Groundwater Elevation - April		
WELL	COLLAR ELEV	4/26/2025
	Ft. AMSL	
Caribou	9744.25	9718.73
Compliance	9677.35	9639.06
Cross	9692.85	9665.23
Winze	9697.48	9587.50

Table 2.2.2 Wells and Winze Groundwater Elevation – May 2025

Groundwater Elevation - May		
WELL	COLLAR ELEV	5/26/2025
	Ft. AMSL	
Caribou	9744.25	9722.1
Compliance	9677.35	9644.21
Cross	9692.85	9678.87
Winze	9697.48	9555.46

Table 2.2.3 Wells and Winze Groundwater Elevation – June 2025

Groundwater Elevation - June		
WELL	COLLAR ELEV	6/26/2025
	Ft. AMSL	
Caribou	9744.25	9717.98
Compliance	9677.35	9640.48
Cross	9692.85	9673.87
Winze	9697.48	9501.1

Figure 36 Potentiometric Water Surface – April 2025

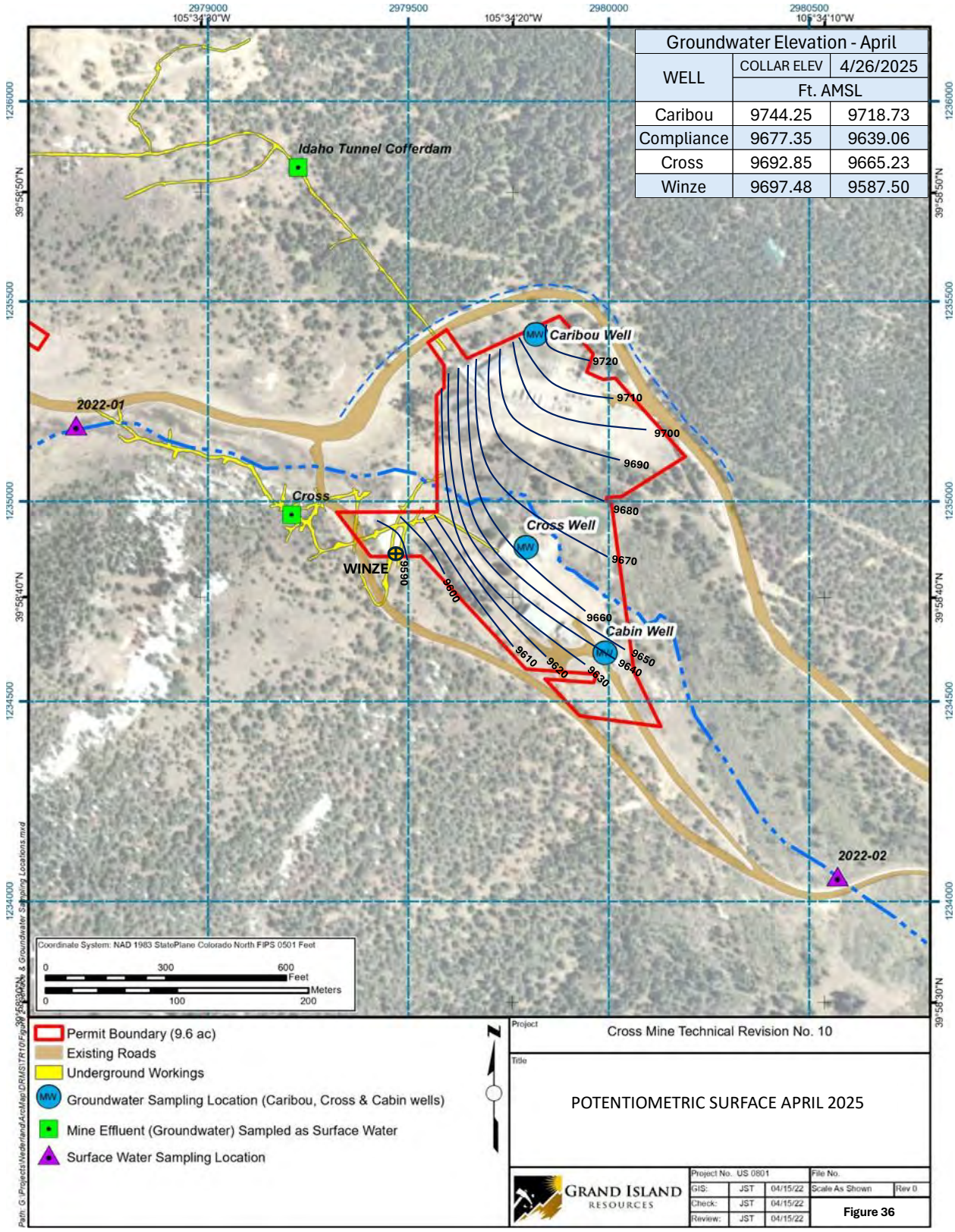


Figure 37 Potentiometric Water Surface – May 2025

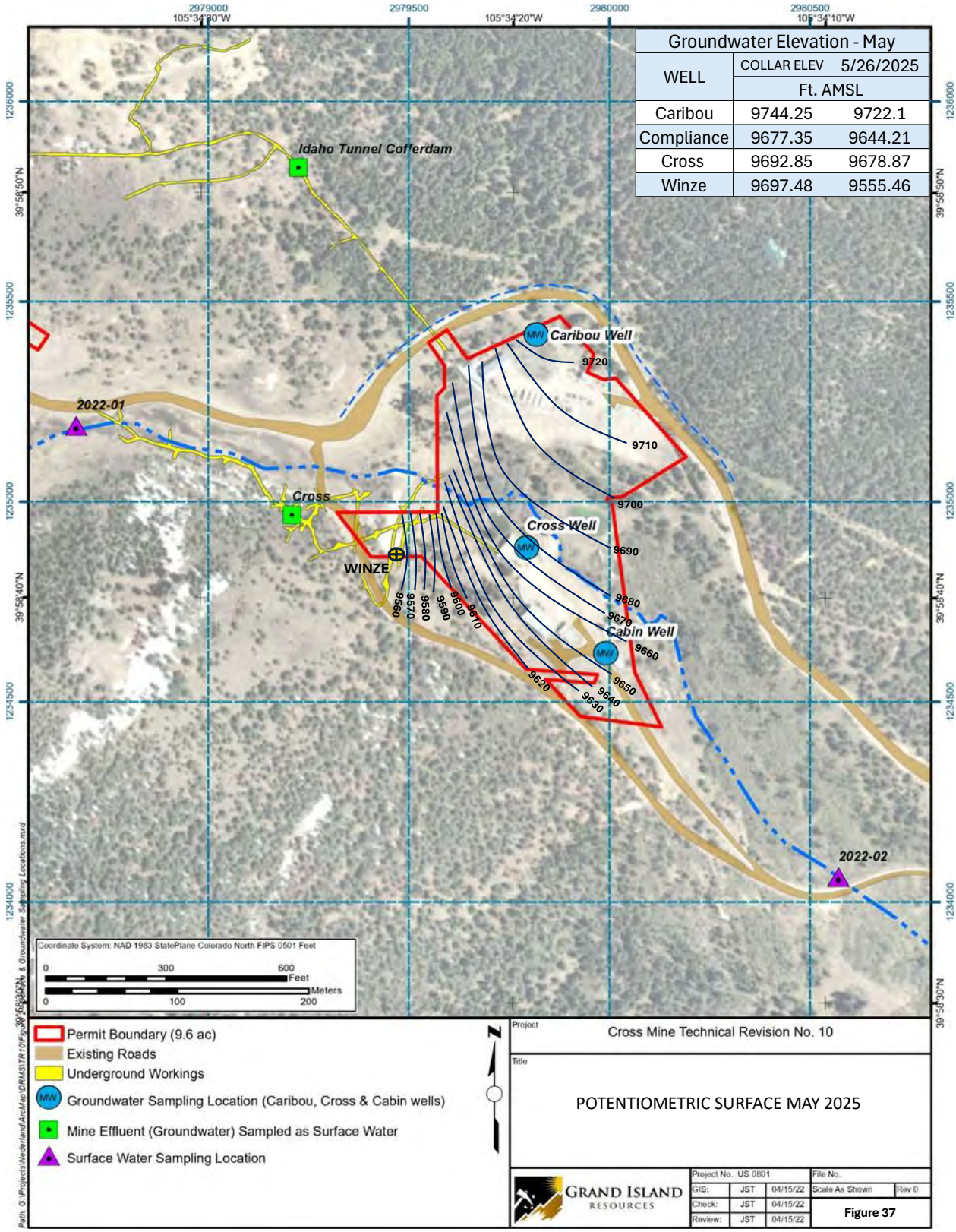
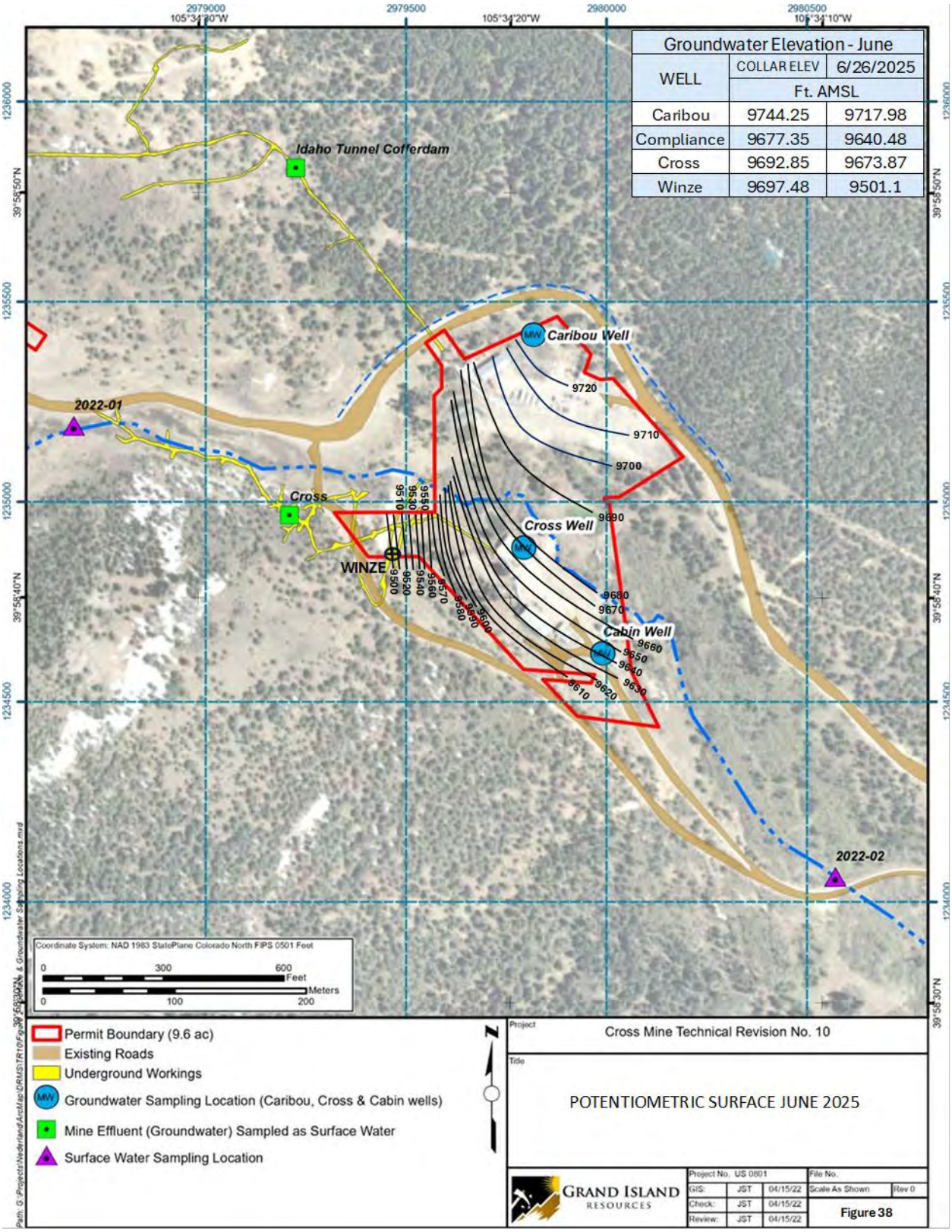


Figure 38 Potentiometric Water Surface – June 2025



3. Mine Effluent Monitoring

Two mine effluent monitoring locations corresponding to points of interest within the GIR site were selected by DRMS as part of the program. One station is in the Cross Mine and one station is in the Idaho Tunnel/Caribou Mine, namely Cross Portal and Caribou Portal, respectively. Water Quality Analytical Results are summarized on Table 3.1. for the month of June 2025. The complete Water Quality Analytical Results from the Laboratories are provided in Appendix A.

Mine effluent reports to the Water Treatment Plant and discharges via the NPDES permit CO-0032751 Outfall 001 (see section 6 for DMR Copy of Record).

Table 3.1 Effluent Quality Test Results – Sample Date June 26, 2025

Parameter	Standard	Cross Portal	Cross Portal Duplicate	Caribou Portal	Unit	Comments
Aluminum (Al)	**5**	ND	ND	0.18	mg/l	Dissolved
Antimony (Sb)	**0.006**	ND	ND	0.00051	mg/l	Dissolved
Arsenic (As)	**0.01**	ND	ND	ND	mg/l	Dissolved
Barium (Ba)	**2**	0.097	0.092	0.056	mg/l	Dissolved
Beta and Photon Emitters	**4**	1.22	1.45	1.98	pCi/l	Std is in mrem/year; Lab reports pCi/l
Boron (B)	**0.75**	ND	ND	ND	mg/l	Dissolved
Cadmium (Cd)	**0.005**	0.00089	0.00077	ND	mg/l	Dissolved
Chloride (Cl)	**250**	ND	ND	ND	mg/l	Dissolved
Copper (Cu)	**0.2**	0.0014	0.0015	ND	mg/l	Dissolved
Gross Alpha Particle Activity	**15**	0.689	0.602	4.38	pCi/l	
Iron (Fe)	**0.3**	ND	ND	ND	mg/l	Dissolved
Lead (Pb)	**0.05**	ND	ND	ND	mg/l	Dissolved
Manganese (Mn)	**0.05**	0.018	0.017	0.0029	mg/l	Dissolved
Molybdenum (Mo)	**0.21**	0.0062	0.0062	0.0056	mg/l	Dissolved
Nitrate (NO3)	**10.0**	0.15	0.15	0.21	mg/l as N	Dissolved
Nitrate-Nitrite (total)	**10.0**	0.099	0.096	0.18	mg/l as N	Dissolved
pH (field)	**6.5 - 8.5**	8.3	8.3	8.4	pH units	
Sulfate (SO4)	**250**	9.8	9.9	11	mg/l	Dissolved
TDS	**400**	100	100	130	mg/l	Total
Uranium (U)	**0.0168 -0.03**	0.00071	0.00071	0.0048	mg/l	Dissolved
Zinc (Zn)	**2**	0.16	0.18	0.0094	mg/l	Dissolved
The highlighted cells Indicate Test Results Higher than the Reference Values from Reg. 5 CCR 1002-41						
"ND" Indicates Not Detected						

4. Surface Water Monitoring

Two surface water monitoring stations were considered by DRMS to be sufficient and adequate to characterize surface water within the basin of interest. Station 2022-01 is located upstream of the Operator's facility and Station 2022-02 is located downstream of the Operator's facility.

4.1. Water Quality Analytical Results

Surface water samples were collected on June 26, 2025, from both surface water sampling stations as surface water flows were observed during the sampling event. Table 4.1.1 provides Analytical Results for the 2nd Quarter 2025.

4.2. Surface Water Flows

Surface water flow measurements were taken during the 2nd Quarter of 2025 for both surface water stations at the time of the sampling event. Table 4.2.1 presents the estimated corresponding flows.

Table 4.1.1 Surface Water Analytical Results – Sample Date June 26, 2025

Parameter	Sta 2202-01	Sta 2202-02	Sta. 2022-02 Duplicate	Units
Cadmium Total Recoverable	ND	ND	ND	ug/L
Copper Potentially Dissolved	2.4	2.1	2.3	ug/L
Copper Total Recoverable	2.4	3.0	2.2	ug/L
Field pH	7.9	8.2	8.2	ug/L
Field Temperature	14.2	13.1	13.1	Degrees C
Iron Total Recoverable	370	160	140	ug/L
Lead Potentially Dissolved	ND	1.3	1.2	ug/L
Lead Total Recoverable	ND	1.4	1.3	ug/L
Manganese Potentially Dissolved	15	6.8	6.1	ug/L
Mercury	ND	ND	ND	ug/L
Nickel Potentially Dissolved	ND	ND	ND	ug/L
pH adj. to 25 deg C	7.5	7.9	8.0	SU
Silver Potentially Dissolved	ND	ND	ND	ug/L
Specific Conductance	62	120	120	umhos/cm
Specific Conductance Total	62	120	120	umhos/cm
Temperature	20.1	20.5	20.4	Degrees C
Total Suspended Solids	2	ND	1.6	mg/L
Zinc Total Recoverable	ND	35	22	ug/L
Zinc Potentially Dissolved	12	31	29	ug/L
"ND" Indicates Not Detected				

Table 4.1.2 Surface Water Flow Estimates – June 2025

Surface Water Flow Estimate - June 26, 2025				
Station	Velocity fps	Depth ft	Width ft	Flow gpm
2022-01	0.50	1.08	1.75	424
2022-02	1.18	0.54	2.08	595

5. Quality Management (Quality Control & Quality Assurance)

Grand Island Resources (GIR) is committed to meeting expectations pertaining to the TR10 water quality data collection including proper water sample collection and testing via a Quality Management Program which is founded on Quality Assurance aimed to prevent errors. The program incorporates, among others, Standard Operating Procedures, Sample Collection Protocols, Chains of Custody, and the selection of State Credited Testing Laboratories which have internal Quality Control and Quality Assurance Methods and Standards. Quality Control aimed to identify errors is implemented via testing of one or more of the following Field or Laboratory: Duplicate Samples, Field Blanks and Matrix Spikes.

On Monday March 13, 2023, GIR consulted with Mr. Patrick Lennberg of DRMS (via telephone) a specific deficiency noted by DRMS on their letter of March 2, 2023, requesting additional information of the GIR 1st Quarter 2022 Report; the conclusion of the review and phone conversation is that the SOP approved under TR10 states field duplicate samples will be collected side-by-side with the primary sample. The Operator shall collect one field duplicate sample for each media sampled (groundwater, effluent, and surface water), for a total of 3 duplicate samples to be collected per sampling event as committed to in TR10. GIR initiated the collection of the Field Duplicate for each media sampled on the March 2023 sampling event and will continue to do so for all sampling events going forward.

5.1. Groundwater

Trip Blank Samples were collected at the Cabin Well (Compliance) and Field Duplicate samples were collected from the Caribou Well during the June sampling event. Duplicate and Matrix Spike tests were performed for select parameters which are incorporated in the QC section of the Laboratory Report. No Rinsate samples were collected because water samples were collected from permanently installed equipment at each well.

5.2. Mine Effluent

Field Duplicate samples were collected from the Cross Portal during the June sampling event. Duplicate tests were performed for select parameters which are incorporated in the QC section of the Laboratory Report. No Rinsate samples were collected because disposable samplers were used.

5.3. Surface Water

Field Duplicates were collected from station 2202-02.

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6. NPDES permit CO-0032751 Outfall 001

Effluent from the Cross Mine and Idaho Tunnel/Caribou Mine is collected in sumps and ponds and it is pumped to the Water Treatment Plant (subject of TR-10). Treated water is released to Coon Track Creek via pipeline to Outfall-001 in accordance with CDPHE NPDES permit.

Tables 6.1, 6.2, and 6.3 present the DMR Copies of Record filed by the Operator with CDPHE for the months of April, May, and June 2025, respectively.

Table 6.1 DMR April 2025

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	CO0032751	**Permittee:**	Grand Island Resources LLC	**Facility:**	CROSS AND CARIBOU MINES
Major:	No	**Permittee Address:**	12567 W Cedar Dr Ste 110 Lakewood, CO 80228	**Facility Location:**	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** Treated Mine Water to Coon Track Creek		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 04/30/25**	**DMR Due Date:**	**05/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Oil and grease - see I.A.2, pg 3. 30 day average is the highest monthly average during period reported.

Principal Executive Officer

First Name:		**Title:**	**Telephone:**
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading							Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units					
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample								=	7.2	=	7.6	04 - deg C			99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C	0		99/99 - Continuous	RC - Recorder (auto)
					Value NODI																	
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.8			=	8.1	12 - SU			02/30 - Twice Per Month	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0		02/30 - Twice Per Month	GR - Grab
					Value NODI																	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<	4.0	<	4.0	19 - mg/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - mg/L	0		01/30 - Monthly	GR - Grab
					Value NODI																	
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0		01/30 - Monthly	GR - Grab
					Value NODI																	
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								<	100.0			28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0		01/30 - Monthly	GR - Grab
					Value NODI																	
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	15.0	=	15.0	28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - ug/L	0		01/30 - Monthly	GR - Grab
					Value NODI																	
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0		01/30 - Monthly	GR - Grab
					Value NODI																	
																				02/30 - Twice Per		

Table 6.1 DMR April 2025 (continued)

01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.35	=	0.7	28 - ug/L		Month	GR - Grab
					Permit Req.					<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.6	=	1.2	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	--	Sample					<	20.0	<	20.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01303	Zinc, potentially dissolved	1 - Effluent Gross	4	--	Sample					=	20.5	=	25.0	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	176.0 30DA AVG	<=	202.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01304	Silver, potentially dissolved	1 - Effluent Gross	4	--	Sample							<	0.5	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.11 30DA AVG	<=	3.1 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI						B - Below Detection Limit/No Detection						
01306	Copper, potentially dissolved	1 - Effluent Gross	4	--	Sample					=	0.55	=	1.1	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	13.0 30DA AVG	<=	20.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	4	--	Sample							<	1.0	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.6 30DA AVG	<=	2.5 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI						B - Below Detection Limit/No Detection						
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01318	Lead, potentially dissolvd	1 - Effluent Gross	4	--	Sample					=	0.47	=	0.94	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	3.6 30DA AVG	<=	94.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	2.0	<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
03582	Oil and grease	1 - Effluent Gross	0	--	Sample												
					Permit Req.							<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - Grab
					Value NODI								9 - Conditional Monitoring - Not Required This Period				
	Chromium, trivalent total	1 - Effluent			Sample							<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - Grab

Table 6.1 DMR April 2025 (continued)

04262	recoverable	Gross	0	--	Value NODI														0		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	4	--	Sample							=	0.092057	=	0.1467	03 - MGD		99/99 - Continuous	RC - Recorder (auto)
					Permit Req.							<=	0.148 30DA AVG		Req Mon DAILY MX	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI														
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample							<	1.0			19 - mg/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon 30DA AVG			19 - mg/L	0	01/30 - Monthly	GR - Grab
					Value NODI														
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample							<	0.2	<	0.2	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.							<=	1.0 30DA AVG	<=	2.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI														
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample		=	0.0	AB - abst=0;prst=1									02/30 - Twice Per Month	VI - Visual
					Permit Req.			Req Mon INST MAX	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - Visual
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
CO0032751_Lab_2025_04_J206597-1_04-24-25.pdf	pdf	1007226.0
CO0032751_Lab_2025_04_J205572-1_04-08-25.pdf	pdf	1338304.0
CO0032751_DMRcov_2025_04.pdf	pdf	204185.0

Report Last Saved By

Grand Island Resources LLC

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-05-28 14:33 (Time Zone: -06:00)

Report Last Signed By

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-05-28 14:36 (Time Zone: -06:00)

Table 6.2 DMR May 2025

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	CO0032751	**Permittee:**	Grand Island Resources LLC	**Facility:**	CROSS AND CARIBOU MINES
Major:	No	**Permittee Address:**	12567 W Cedar Dr Ste 110 Lakewood, CO 80228	**Facility Location:**	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466
Permitted Feature:	001 External Outfall	**Discharge:**	001-A Treated Mine Water to Coon Track Creek		

Report Dates & Status

Monitoring Period:	From 05/01/25 to 05/31/25	**DMR Due Date:**	06/28/25	**Status:**	NetDMR Validated

Considerations for Form Completion

Oil and grease - see I.A.2, pg 3. 30 day average is the highest monthly average during period reported.

Principal Executive Officer

First Name:		**Title:**	**Telephone:**
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample								=	6.9	=	7.7	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.3			=	8.1	12 - SU		02/30 - Twice Per Month	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	02/30 - Twice Per Month	GR - Grab
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<	4.0	<	4.0	19 - mg/L		01/30 - Monthly	GR - Grab
					Permit Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - Grab
					Value NODI															
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	44.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	29.0	=	29.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI															
																			02/30 - Twice Per	

Table 6.2 DMR May 2025 (continued)

01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample					=	1.9	=	2.7	28 - ug/L		Month	GR - Grab
					Permit Req.					<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample					=	2.6	=	2.9	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	--	Sample					<	20.0	<	20.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01303	Zinc, potentially dissolved	1 - Effluent Gross	5	--	Sample					=	76.5	=	120.0	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	182.0 30DA AVG	<=	208.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01304	Silver, potentially dissolved	1 - Effluent Gross	5	--	Sample							<	0.5	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.12 30DA AVG	<=	3.2 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI						B - Below Detection Limit/No Detection						
01306	Copper, potentially dissolved	1 - Effluent Gross	5	--	Sample					=	2.25	=	2.3	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	13.0 30DA AVG	<=	20.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	5	--	Sample					=	0.16	=	0.32	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.62 30DA AVG	<=	2.6 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01318	Lead, potentially dissolvd	1 - Effluent Gross	5	--	Sample					=	1.95	=	2.8	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	3.8 30DA AVG	<=	97.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	2.0	<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
03582	Oil and grease	1 - Effluent Gross	0	--	Sample												
					Permit Req.							<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - Grab
					Value NODI								9 - Conditional Monitoring - Not Required This Period				
04262	Chromium, trivalent total	1 - Effluent Gross	0	--	Sample							<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab

Table 6.2 DMR May 2025 (continued)

	recoverable				Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	5	--	Sample							=	0.252174	=	0.3867	03 - MGD		99/99 - Continuous	RC - Recorder (auto)
					Permit Req.							<=	0.374 30DA AVG		Req Mon DAILY MX	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI														
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample							<	1.0			19 - mg/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon 30DA AVG			19 - mg/L	0	01/30 - Monthly	GR - Grab
					Value NODI														
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample							<	0.2	<	0.2	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.							<=	1.0 30DA AVG	<=	2.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI														
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample		=	0.0	AB - abst=0;prst=1									02/30 - Twice Per Month	VI - Visual
					Permit Req.			Req Mon INST MAX	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - Visual
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
CO0032751_Lab_2025_05_J208279-1_05-28-25.pdf	pdf	1010142.0
CO0032751_Lab_2025_05_J207557-1_05-14-25.pdf	pdf	1071391.0
CO0032751_DMRcov_2025_05.pdf	pdf	204148.0

Report Last Saved By

Grand Island Resources LLC

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-06-28 20:51 (Time Zone: -06:00)

Report Last Signed By

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-06-28 20:51 (Time Zone: -06:00)

Table 6.3 DMR June 2025

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	CO0032751	**Permittee:**	Grand Island Resources LLC	**Facility:**	CROSS AND CARIBOU MINES
Major:	No	**Permittee Address:**	12567 W Cedar Dr Ste 110 Lakewood, CO 80228	**Facility Location:**	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** Treated Mine Water to Coon Track Creek		

Report Dates & Status

Monitoring Period:	**From 06/01/25 to 06/30/25**	**DMR Due Date:**	**07/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Oil and grease - see I.A.2, pg 3. 30 day average is the highest monthly average during period reported.

Principal Executive Officer

First Name:		**Title:**	**Telephone:**
Last Name:			

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading							Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units				
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample								=	7.1	=	10.0	04 - deg C			99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.0			=	8.3	12 - SU			02/30 - Twice Per Month	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		0	02/30 - Twice Per Month	GR - Grab
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<	4.0	<	4.0	19 - mg/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	30.0 30DA AVG	<=	45.0 DAILY MX	19 - mg/L		0	01/30 - Monthly	GR - Grab
					Value NODI																
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		0	01/30 - Monthly	GR - Grab
					Value NODI																
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	46.0			28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		0	01/30 - Monthly	GR - Grab
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	45.0	=	45.0	28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	750.0 30DA AVG	<=	1500.0 DAILY MX	28 - ug/L		0	01/30 - Monthly	GR - Grab
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L			01/30 - Monthly	GR - Grab
					Permit Req.								<=	50.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L		0	01/30 - Monthly	GR - Grab
					Value NODI																
																				02/30 - Twice Per	

Table 6.3 DMR June 2025 (continued)

01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample					=	1.49	=	2.3	28 - ug/L		Month	GR - Grab
					Permit Req.					<=	300.0 30DA AVG	<=	600.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.95	=	1.9	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	150.0 30DA AVG	<=	300.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	--	Sample					<	20.0	<	20.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01303	Zinc, potentially dissolved	1 - Effluent Gross	6	--	Sample					=	42.5	=	44.0	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	262.0 30DA AVG	<=	301.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01304	Silver, potentially dissolved	1 - Effluent Gross	6	--	Sample							<	0.5	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.17 30DA AVG	<=	4.7 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI						B - Below Detection Limit/No Detection						
01306	Copper, potentially dissolved	1 - Effluent Gross	6	--	Sample					=	1.4	=	1.8	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	13.0 30DA AVG	<=	20.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	6	--	Sample							<	1.0	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	0.89 30DA AVG	<=	3.7 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI						B - Below Detection Limit/No Detection						
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0			28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG			28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01318	Lead, potentially dissolvd	1 - Effluent Gross	6	--	Sample					=	1.35	=	2.2	28 - ug/L		02/30 - Twice Per Month	GR - Grab
					Permit Req.					<=	5.4 30DA AVG	<=	140.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - Grab
					Value NODI												
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	3.0	<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample					<	2.0	<	2.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.						Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab
					Value NODI												
03582	Oil and grease	1 - Effluent Gross	0	--	Sample												
					Permit Req.							<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - Grab
					Value NODI								9 - Conditional Monitoring - Not Required This Period				
	Chromium, trivalent total	1 - Effluent			Sample							<	3.0	28 - ug/L		01/30 - Monthly	GR - Grab
					Permit Req.								Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - Grab

Table 6.3 DMR June 2025 (continued)

04262	recoverable	Gross	0	--	Value NODI														0				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	6	--	Sample							=	0.316253	=	0.4141	03 - MGD		99/99 - Continuous	RC - Recorder (auto)				
					Permit Req.							<=	0.458 30DA AVG		Req Mon DAILY MX	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)				
					Value NODI																		
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample							<	1.0			19 - mg/L		01/30 - Monthly	GR - Grab				
					Permit Req.								Req Mon 30DA AVG			19 - mg/L	0	01/30 - Monthly	GR - Grab				
					Value NODI																		
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample							<	0.2	<	0.2	28 - ug/L		01/30 - Monthly	GR - Grab				
					Permit Req.							<=	1.0 30DA AVG	<=	2.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - Grab				
					Value NODI																		
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample		=	0.0	AB - abst=0;prst=1									02/30 - Twice Per Month	VI - Visual				
					Permit Req.			Req Mon INST MAX	AB - abst=0;prst=1								0	02/30 - Twice Per Month	VI - Visual				
					Value NODI																		

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
CO0032751_Lab_2025_06_J209766-1_06-26-25.pdf	pdf	1037671.0
CO0032751_Lab_2025_06_J208826-1_06-09-25.pdf	pdf	1097671.0
CO0032751_DMRcov_2025_06.pdf	pdf	205127.0

Report Last Saved By

Grand Island Resources LLC

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:46 (Time Zone: -06:00)

Report Last Signed By

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:47 (Time Zone: -06:00)

Table 6.3 DMR June 2025 (continued)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**CO0032751**	**Permittee:**	Grand Island Resources LLC	**Facility:**	CROSS AND CARIBOU MINES
Major:	No	**Permittee Address:**	12567 W Cedar Dr Ste 110 Lakewood, CO 80228	**Facility Location:**	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q** Quarterly Monitoring for 001A		

Report Dates & Status

Monitoring Period:	**From 04/01/25 to 06/30/25**	**DMR Due Date:**	**07/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Quarterly monitoring - see I.C.18. pg 3.

Principal Executive Officer

First Name:		**Title:**	**Telephone:**
Last Name:			

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading							Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
50286	**Mercury, total [low level]**	1 - Effluent Gross	0	–	Sample								=	0.0012	=	0.0012	28 - ug/L	0	01/90 - Quarterly	GR - Grab
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/90 - Quarterly	GR - Grab
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
CO0032751_Lab_2025_06_J205572-1_LLHg_2025.pdf	pdf	1336304.0
CO0032751_DMRdov_2025_06.pdf	pdf	205127.0

Report Last Saved By

Grand Island Resources LLC

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:47 (Time Zone: -06:00)

Report Last Signed By

User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:47 (Time Zone: -06:00)

Table 6.3 DMR June 2025 (continued)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:	CO0032751	**Permittee:**	Grand Island Resources LLC	**Facility:**	CROSS AND CARIBOU MINES
Major:	No	**Permittee Address:**	12567 W Cedar Dr Ste 110 Lakewood, CO 80228	**Facility Location:**	CROSS AND CARIBOU MINES BOULDER COUNTY, CO 80466
Permitted Feature:	001 External Outfall	**Discharge:**	001-X CHRONIC WET TESTING FOR 001A		

Report Dates & Status

Monitoring Period:	From 04/01/25 to 06/30/25	**DMR Due Date:**	07/28/25	**Status:**	NetDMR Validated

Considerations for Form Completion

See I.B.3 for details of test procedure. Report NOEC using test code "S". Report IC25 using test code "P". Report highest number between "P" and "S" at "T" for each parameter. IWC=73% (1st qtr), 52%(2nd/4th qtr) and 53% (3rd qtr).

Principal Executive Officer

First Name:		**Title:**		**Telephone:**	
Last Name:					

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	–	Sample						>	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	–	Sample						≥	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	2	–	Sample						>	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.						>=	52.0 MN VALUE					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	–	Sample						>	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	–	Sample						≥	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	T - See Comments	2	–	Sample						>	100.0					2G - tox chronic		01/90 - Quarterly	G3 - 3 Grabs
					Permit Req.						>=	52.0 MN VALUE					2G - tox chronic	0	01/90 - Quarterly	G3 - 3 Grabs
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

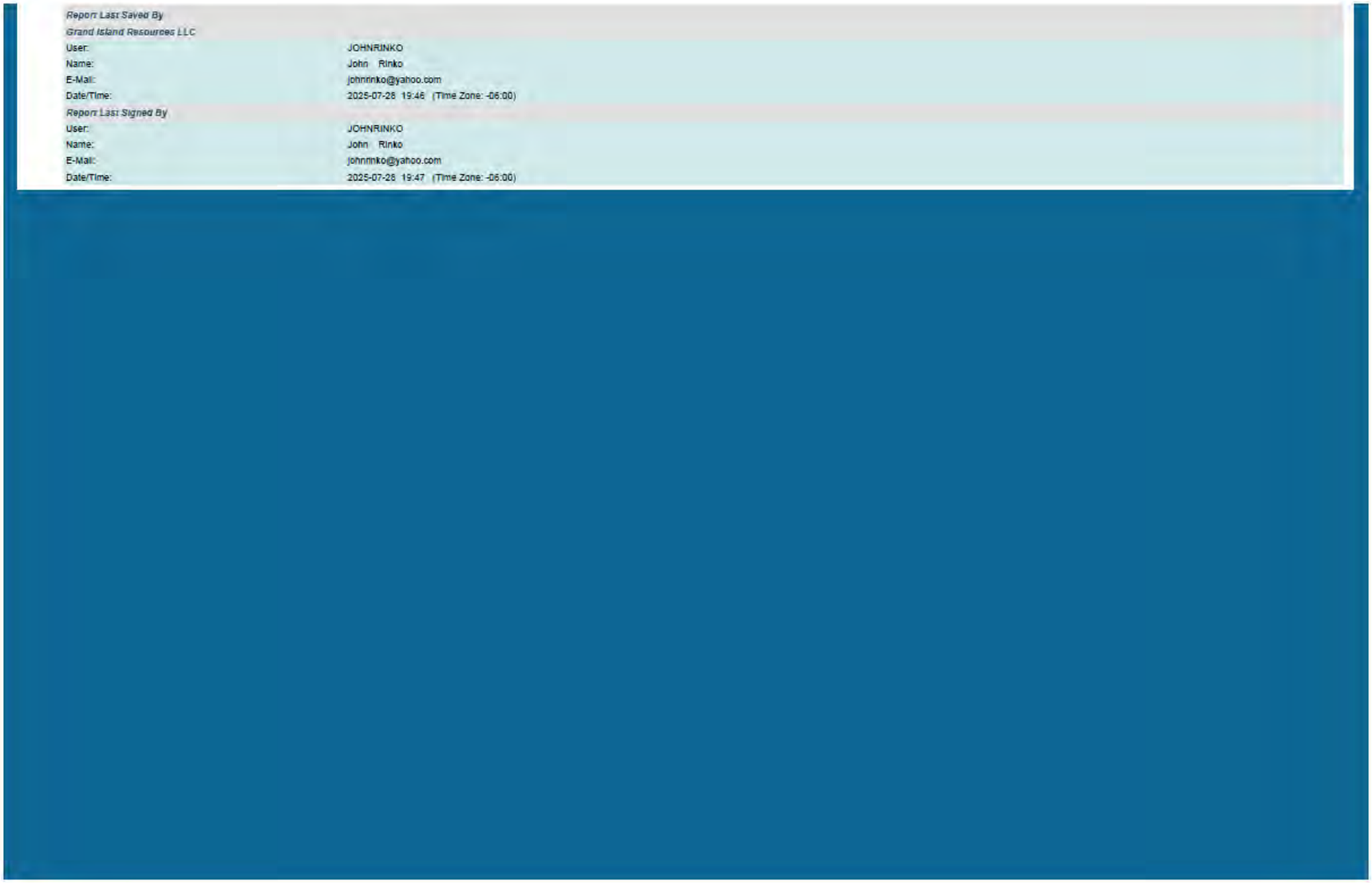
No errors.

Comments

Attachments

Name	Type	Size
CO0032751_Lab_2025_06_525276_B_WET_2Q25.pdf	pdf	5115375.0
CO0032751_DMRsov_2025_06.pdf	pdf	205127.0

Table 6.3 DMR June 2025 (continued)



Report Last Saved By	
Grand Island Resources LLC	
User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:46 (Time Zone: -06:00)
Report Last Signed By	
User:	JOHNRINKO
Name:	John Rinko
E-Mail:	johnrinko@yahoo.com
Date/Time:	2025-07-28 19:47 (Time Zone: -06:00)

Appendices

APPENDICES

APPENDIX A GROUNDWATER AND EFFLUENT ANALYTICAL RESULTS

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 7/17/2025 9:39:09 AM

JOB DESCRIPTION

Nederland, CO - Groundwater

JOB NUMBER

280-209762-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

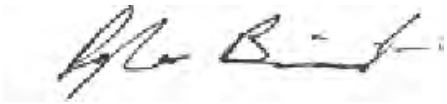
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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7/17/2025 9:39:09 AM

Authorized for release by
Dylan Bieniulis, Project Manager I
Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Job ID: 280-209762-1
Project/Site: Nederland, CO - Groundwater

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-209762-1

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

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

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

Radiochemistry data information:

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy or unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below, and is stored in the level IV raw data.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

Receipt
The samples were received on 6/26/2025 4:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.3°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Job ID: 280-209762-1 (Continued) Eurofins Denver

Method 200.7 Rev 4.4 - Metals (ICP) - Dissolved
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 7/8/2025 and analyzed on 7/10/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-703657 and analytical batch 280-704019 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The method blank associated with preparation batch 280-703657 and analytical batch 280-704019 contained Fe greater than one-half the reporting limit (RL). The samples were not re-analyzed because Fe is considered a common lab contaminant and controlled to the full RL. The sample results have been qualified and reported.

Method 200.8 - ICPMS Total Metals - Dissolved
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for ICPMS Total Metals - Dissolved. The samples were prepared on 7/8/2025 and analyzed on 7/11/2025 and 7/14/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-703657 and analytical batch 280-704153 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-703657 and analytical batch 280-704579 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 2540C - Solids, Total Dissolved (TDS)
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 7/2/2025 and 7/3/2025.

Method 300.0 - Anions, Ion Chromatography
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Anions, Ion Chromatography. The samples were analyzed on 6/27/2025.

Method 353.2 - Nitrogen, Nitrate-Nitrite
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 7/8/2025 and 7/16/2025.

Method SM 4500 Cl- E - Chloride, Total
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Chloride, Total. The samples were analyzed on 6/27/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 280-702389 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference is suspected because the associated laboratory control sample & laboratory control sample (LCS/LCSD) recovery is within acceptance limits.CARIBOU PORTAL (280-209762-8), (280-209762-F-8 MS) and (280-209762-F-8 MSD)

Method SM 4500 SO4 E - Sulfate, Total
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Sulfate, Total. The samples were analyzed on

6/27/2025.

Method 901.1 - Cesium 137 & Other Gamma Emitters (GS) - Dissolved
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Cesium 137 & Other Gamma Emitters (GS) - Dissolved. The samples were prepared on 7/8/2025 and analyzed on 7/9/2025.

Gamma prep batch 160-726179:

The detection goal was not met for Cs-137 for the following sample. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent “force-fit” of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the activity is well below the RL and MDC. CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CARIBOU PORTAL (280-209762-8), (400-277750-Q-1-A) and (400-277750-Q-1-C DU)

Gamma prep batch 160-726179:

Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred from	Reported to Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-108m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7), CARIBOU PORTAL (280-209762-8), (LCS 160-726179/2-A), (MB 160-726179/1-A), (400-277750-Q-1-A) and (400-277750-Q-1-C DU)

Method 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved
Samples CROSS WELL (280-209762-1), COMPLIANCE WELL (280-209762-2), COMPLIANCE 03 (280-209762-3), CARIBOU WELL (280-209762-4), CARIBOU WELL 02 (280-209762-5), CROSS PORTAL (280-209762-6), CROSS PORTAL 02 (280-209762-7) and CARIBOU PORTAL (280-209762-8) were analyzed for Gross Alpha and Gross Beta Radioactivity - Dissolved. The samples were prepared on 7/7/2025 and analyzed on 7/13/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Client Sample ID: CROSS WELL — Lab Sample ID: 280-209762-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.028		0.0020	0.00055	mg/L	1		200.8	Dissolved
Copper	0.0040		0.0020	0.0010	mg/L	1		200.8	Dissolved
Molybdenum	0.00089	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Zinc	0.71		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.39	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.39		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	96		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.8		2.0	0.50	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	13		3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: COMPLIANCE WELL — Lab Sample ID: 280-209762-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.031		0.0020	0.00055	mg/L	1		200.8	Dissolved
Manganese	0.0057		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0043		0.0020	0.00050	mg/L	1		200.8	Dissolved
Zinc	0.066		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.26	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.24		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	85		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.2	J	2.0	0.50	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	6.1		3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: COMPLIANCE 03 — Lab Sample ID: 280-209762-3

No Detections.

Client Sample ID: CARIBOU WELL — Lab Sample ID: 280-209762-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.037	J	0.10	0.025	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.0068		0.0020	0.00055	mg/L	1		200.8	Dissolved
Copper	0.15		0.0020	0.0010	mg/L	1		200.8	Dissolved
Nitrate as N	0.15	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.094	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	39		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	1.8	J	3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CARIBOU WELL 02 — Lab Sample ID: 280-209762-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.037	J	0.10	0.025	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.0070		0.0020	0.00055	mg/L	1		200.8	Dissolved
Copper	0.092		0.0020	0.0010	mg/L	1		200.8	Dissolved
Nitrate as N	0.15	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.097	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	42		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	1.8	J	3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CROSS PORTAL — Lab Sample ID: 280-209762-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.097		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cadmium	0.00089	J	0.0010	0.00025	mg/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Client Sample ID: CROSS PORTAL (Continued) — Lab Sample ID: 280-209762-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.0014	J	0.0020	0.0010	mg/L	1		200.8	Dissolved
Manganese	0.018		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0062		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.00071	J	0.0010	0.00025	mg/L	1		200.8	Dissolved
Zinc	0.16		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.15	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.099	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	100		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	9.8		3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CROSS PORTAL 02 — Lab Sample ID: 280-209762-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.092		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cadmium	0.00077	J	0.0010	0.00025	mg/L	1		200.8	Dissolved
Copper	0.0015	J	0.0020	0.0010	mg/L	1		200.8	Dissolved
Manganese	0.017		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0062		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.00071	J	0.0010	0.00025	mg/L	1		200.8	Dissolved
Zinc	0.18		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.15	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.096	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	100		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	9.9		3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: CARIBOU PORTAL — Lab Sample ID: 280-209762-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.18		0.10	0.025	mg/L	1		200.7 Rev 4.4	Dissolved
Antimony	0.00051	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Barium	0.056		0.0020	0.00055	mg/L	1		200.8	Dissolved
Manganese	0.0029	J	0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0056		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.0048		0.0010	0.00025	mg/L	1		200.8	Dissolved
Zinc	0.0094	J	0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate as N	0.21	J	0.50	0.10	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.18	J	0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	130		10	6.0	mg/L	1		SM 2540C	Total/NA
Sulfate	11		3.0	1.0	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	ICPMS Total Metals	EPA	EET DEN
300.0	Anions, Ion Chromatography	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 Cl- E	Chloride, Total	SM	EET DEN
SM 4500 SO4 E	Sulfate, Total	SM	EET DEN
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
901.1	Cesium 137 & Other Gamma Emitters (GS)	EPA	EET SL
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Evaporation	Preparation, Evaporation	None	EET SL
Fill_Geo-0	Fill Geometry, No In-Growth	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-209762-1	CROSS WELL	Water	06/26/25 11:15	06/26/25 16:38
280-209762-2	COMPLIANCE WELL	Water	06/26/25 11:30	06/26/25 16:38
280-209762-3	COMPLIANCE 03	Water	06/26/25 11:30	06/26/25 16:38
280-209762-4	CARIBOU WELL	Water	06/26/25 12:30	06/26/25 16:38
280-209762-5	CARIBOU WELL 02	Water	06/26/25 12:30	06/26/25 16:38
280-209762-6	CROSS PORTAL	Water	06/26/25 11:00	06/26/25 16:38
280-209762-7	CROSS PORTAL 02	Water	06/26/25 11:00	06/26/25 16:38
280-209762-8	CARIBOU PORTAL	Water	06/26/25 12:00	06/26/25 16:38

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: CROSS WELL — **Lab Sample ID: 280-209762-1**
Date Collected: 06/26/25 11:15 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 02:51	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 02:51	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 02:51	1

Client Sample ID: COMPLIANCE WELL — **Lab Sample ID: 280-209762-2**
Date Collected: 06/26/25 11:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 02:55	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 02:55	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 02:55	1

Client Sample ID: COMPLIANCE 03 — **Lab Sample ID: 280-209762-3**
Date Collected: 06/26/25 11:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 02:58	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 02:58	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 02:58	1

Client Sample ID: CARIBOU WELL — **Lab Sample ID: 280-209762-4**
Date Collected: 06/26/25 12:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.037**	**J**	0.10	0.025	mg/L		07/08/25 14:49	07/10/25 03:02	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:49	07/10/25 03:02	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:49	07/10/25 03:02	1

Client Sample ID: CARIBOU WELL 02 — **Lab Sample ID: 280-209762-5**
Date Collected: 06/26/25 12:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.037**	**J**	0.10	0.025	mg/L		07/08/25 14:48	07/10/25 03:06	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 03:06	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 03:06	1

Client Sample ID: CROSS PORTAL — **Lab Sample ID: 280-209762-6**
Date Collected: 06/26/25 11:00 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 03:10	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 03:10	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 03:10	1

Client Sample ID: CROSS PORTAL 02 — **Lab Sample ID: 280-209762-7**
Date Collected: 06/26/25 11:00 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 03:14	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 03:14	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 03:14	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: CARIBOU PORTAL
Lab Sample ID: 280-209762-8
Date Collected: 06/26/25 12:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.18**		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 03:17	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 03:17	1
Iron	ND		0.10	0.040	mg/L		07/08/25 14:48	07/10/25 03:17	1

Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: CROSS WELL
Lab Sample ID: 280-209762-1
Date Collected: 06/26/25 11:15
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:51	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:51	1
Barium	**0.028**		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 03:51	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:51	1
Copper	**0.0040**		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:16	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 03:51	1
Manganese	ND		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 11:57	1
Molybdenum	**0.00089**	**J**	0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:51	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:51	1
Zinc	**0.71**		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 03:51	1

Client Sample ID: COMPLIANCE WELL
Lab Sample ID: 280-209762-2
Date Collected: 06/26/25 11:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:53	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:53	1
Barium	**0.031**		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 03:53	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:53	1
Copper	ND		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:27	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 03:53	1
Manganese	**0.0057**		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:01	1
Molybdenum	**0.0043**		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:53	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:53	1
Zinc	**0.066**		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 03:53	1

Client Sample ID: COMPLIANCE 03
Lab Sample ID: 280-209762-3
Date Collected: 06/26/25 11:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:56	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:56	1
Barium	ND		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 03:56	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:56	1
Copper	ND		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:31	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 03:56	1
Manganese	ND		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:12	1
Molybdenum	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:56	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:56	1
Zinc	ND		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 03:56	1

Method: EPA 200.8 - ICPMS Total Metals - Dissolved

Client Sample ID: CARIBOU WELL
Lab Sample ID: 280-209762-4
Date Collected: 06/26/25 12:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:49	07/11/25 04:03	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:49	07/11/25 04:03	1
Barium	**0.0068**		0.0020	0.00055	mg/L		07/08/25 14:49	07/11/25 04:03	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:49	07/11/25 04:03	1
Copper	**0.15**		0.0020	0.0010	mg/L		07/08/25 14:49	07/14/25 23:34	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:49	07/11/25 04:03	1
Manganese	ND		0.0030	0.0015	mg/L		07/08/25 14:49	07/11/25 12:15	1
Molybdenum	ND		0.0020	0.00050	mg/L		07/08/25 14:49	07/11/25 04:03	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:49	07/11/25 04:03	1
Zinc	ND		0.010	0.0050	mg/L		07/08/25 14:49	07/11/25 04:03	1

Client Sample ID: CARIBOU WELL 02
Lab Sample ID: 280-209762-5
Date Collected: 06/26/25 12:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:05	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:05	1
Barium	**0.0070**		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 04:05	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:05	1
Copper	**0.092**		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:38	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 04:05	1
Manganese	ND		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:19	1
Molybdenum	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:05	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:05	1
Zinc	ND		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 04:05	1

Client Sample ID: CROSS PORTAL
Lab Sample ID: 280-209762-6
Date Collected: 06/26/25 11:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:07	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:07	1
Barium	**0.097**		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 04:07	1
Cadmium	**0.00089**	**J**	0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:07	1
Copper	**0.0014**	**J**	0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:41	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 04:07	1
Manganese	**0.018**		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:23	1
Molybdenum	**0.0062**		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:07	1
Uranium	**0.00071**	**J**	0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:07	1
Zinc	**0.16**		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 04:07	1

Client Sample ID: CROSS PORTAL 02
Lab Sample ID: 280-209762-7
Date Collected: 06/26/25 11:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:10	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:10	1
Barium	**0.092**		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 04:10	1
Cadmium	**0.00077**	**J**	0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:10	1
Copper	**0.0015**	**J**	0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:45	1

Method: EPA 200.8 - ICPMS Total Metals - Dissolved (Continued)

Client Sample ID: CROSS PORTAL 02 — **Lab Sample ID: 280-209762-7**
Date Collected: 06/26/25 11:00 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 04:10	1
Manganese	0.017		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:26	1
Molybdenum	0.0062		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:10	1
Uranium	0.00071	J	0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:10	1
Zinc	0.18		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 04:10	1

Client Sample ID: CARIBOU PORTAL — **Lab Sample ID: 280-209762-8**
Date Collected: 06/26/25 12:00 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00051	J	0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:12	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:12	1
Barium	0.056		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 04:12	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:12	1
Copper	ND		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 23:49	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 04:12	1
Manganese	0.0029	J	0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 12:30	1
Molybdenum	0.0056		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 04:12	1
Uranium	0.0048		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 04:12	1
Zinc	0.0094	J	0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 04:12	1

General Chemistry

Client Sample ID: CROSS WELL — **Lab Sample ID: 280-209762-1**
Date Collected: 06/26/25 11:15 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.39	J	0.50	0.10	mg/L			06/27/25 09:40	1
Nitrate Nitrite as N (EPA 353.2)	0.39		0.20	0.060	mg/L			07/08/25 15:24	1
Total Dissolved Solids (TDS) (SM 2540C)	96		10	6.0	mg/L			07/02/25 09:12	1
Chloride (SM 4500 Cl- E)	3.8		2.0	0.50	mg/L			06/27/25 11:17	1
Sulfate (SM 4500 SO4 E)	13		3.0	1.0	mg/L			06/27/25 10:19	1

Client Sample ID: COMPLIANCE WELL — **Lab Sample ID: 280-209762-2**
Date Collected: 06/26/25 11:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	0.26	J	0.50	0.10	mg/L			06/27/25 09:57	1
Nitrate Nitrite as N (EPA 353.2)	0.24		0.20	0.060	mg/L			07/08/25 15:25	1
Total Dissolved Solids (TDS) (SM 2540C)	85		10	6.0	mg/L			07/02/25 09:12	1
Chloride (SM 4500 Cl- E)	1.2	J	2.0	0.50	mg/L			06/27/25 11:17	1
Sulfate (SM 4500 SO4 E)	6.1		3.0	1.0	mg/L			06/27/25 10:19	1

Client Sample ID: COMPLIANCE 03 — **Lab Sample ID: 280-209762-3**
Date Collected: 06/26/25 11:30 — **Matrix: Water**
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	ND		0.50	0.10	mg/L			06/27/25 10:14	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.20	0.060	mg/L			07/08/25 15:26	1

General Chemistry (Continued)

Client Sample ID: COMPLIANCE 03
Lab Sample ID: 280-209762-3
Date Collected: 06/26/25 11:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS) (SM 2540C)	ND		10	6.0	mg/L			07/02/25 09:12	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			06/27/25 11:18	1
Sulfate (SM 4500 SO4 E)	ND		3.0	1.0	mg/L			06/27/25 10:20	1

Client Sample ID: CARIBOU WELL
Lab Sample ID: 280-209762-4
Date Collected: 06/26/25 12:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.15**	**J**	0.50	0.10	mg/L			06/27/25 10:48	1
Nitrate Nitrite as N (EPA 353.2)	**0.094**	**J**	0.20	0.060	mg/L			07/08/25 15:27	1
Total Dissolved Solids (TDS) (SM 2540C)	**39**		10	6.0	mg/L			07/02/25 09:12	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			06/27/25 11:18	1
Sulfate (SM 4500 SO4 E)	**1.8**	**J**	3.0	1.0	mg/L			06/27/25 10:20	1

Client Sample ID: CARIBOU WELL 02
Lab Sample ID: 280-209762-5
Date Collected: 06/26/25 12:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.15**	**J**	0.50	0.10	mg/L			06/27/25 11:05	1
Nitrate Nitrite as N (EPA 353.2)	**0.097**	**J**	0.20	0.060	mg/L			07/08/25 15:29	1
Total Dissolved Solids (TDS) (SM 2540C)	**42**		10	6.0	mg/L			07/02/25 09:12	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			06/27/25 11:18	1
Sulfate (SM 4500 SO4 E)	**1.8**	**J**	3.0	1.0	mg/L			06/27/25 10:20	1

Client Sample ID: CROSS PORTAL
Lab Sample ID: 280-209762-6
Date Collected: 06/26/25 11:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.15**	**J**	0.50	0.10	mg/L			06/27/25 08:15	1
Nitrate Nitrite as N (EPA 353.2)	**0.099**	**J**	0.20	0.060	mg/L			07/08/25 15:30	1
Total Dissolved Solids (TDS) (SM 2540C)	**100**		10	6.0	mg/L			07/03/25 09:07	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			06/27/25 11:18	1
Sulfate (SM 4500 SO4 E)	**9.8**		3.0	1.0	mg/L			06/27/25 10:21	1

Client Sample ID: CROSS PORTAL 02
Lab Sample ID: 280-209762-7
Date Collected: 06/26/25 11:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.15**	**J**	0.50	0.10	mg/L			06/27/25 09:23	1
Nitrate Nitrite as N (EPA 353.2)	**0.096**	**J**	0.20	0.060	mg/L			07/16/25 15:49	1
Total Dissolved Solids (TDS) (SM 2540C)	**100**		10	6.0	mg/L			07/03/25 09:07	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.50	mg/L			06/27/25 11:18	1
Sulfate (SM 4500 SO4 E)	**9.9**		3.0	1.0	mg/L			06/27/25 10:21	1

General Chemistry

Client Sample ID: CARIBOU PORTAL
Date Collected: 06/26/25 12:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0)	**0.21**	**J**	0.50	0.10	mg/L			06/27/25 10:31	1
Nitrate Nitrite as N (EPA 353.2)	**0.18**	**J**	0.20	0.060	mg/L			07/16/25 15:50	1
Total Dissolved Solids (TDS) (SM 2540C)	**130**		10	6.0	mg/L			07/03/25 09:07	1
Chloride (SM 4500 Cl- E)	ND	F1	2.0	0.50	mg/L			06/27/25 11:42	1
Sulfate (SM 4500 SO4 E)	**11**		3.0	1.0	mg/L			06/27/25 10:48	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved

Client Sample ID: CROSS WELL
Date Collected: 06/26/25 11:15
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-1
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.161	U	0.497	0.498	3.00	0.956	pCi/L	07/07/25 08:25	07/13/25 15:18	1
Gross Beta	**1.31**		0.726	0.738	4.00	1.09	pCi/L	07/07/25 08:25	07/13/25 15:18	1

Client Sample ID: COMPLIANCE WELL
Date Collected: 06/26/25 11:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-2
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.572	U	0.570	0.573	3.00	0.880	pCi/L	07/07/25 08:25	07/13/25 15:01	1
Gross Beta	0.779	U	0.725	0.729	4.00	1.16	pCi/L	07/07/25 08:25	07/13/25 15:01	1

Client Sample ID: COMPLIANCE 03
Date Collected: 06/26/25 11:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-3
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.117	U	0.313	0.314	3.00	0.598	pCi/L	07/07/25 08:25	07/13/25 15:00	1
Gross Beta	0.213	U	0.592	0.592	4.00	1.02	pCi/L	07/07/25 08:25	07/13/25 15:00	1

Client Sample ID: CARIBOU WELL
Date Collected: 06/26/25 12:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-4
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.274	U	0.540	0.541	3.00	0.955	pCi/L	07/07/25 08:25	07/13/25 15:18	1
Gross Beta	1.07	U	0.707	0.715	4.00	1.09	pCi/L	07/07/25 08:25	07/13/25 15:18	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity - Dissolved

Client Sample ID: CARIBOU WELL 02
Date Collected: 06/26/25 12:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-5
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.239	U	0.522	0.523	3.00	0.936	pCi/L	07/07/25 08:25	07/13/25 15:17	1
Gross Beta	**1.15**		0.726	0.735	4.00	1.12	pCi/L	07/07/25 08:25	07/13/25 15:17	1

Client Sample ID: CROSS PORTAL
Date Collected: 06/26/25 11:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-6
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.689	U	0.670	0.675	3.00	1.03	pCi/L	07/07/25 08:25	07/13/25 15:17	1
Gross Beta	**1.22**		0.664	0.675	4.00	0.977	pCi/L	07/07/25 08:25	07/13/25 15:17	1

Client Sample ID: CROSS PORTAL 02
Date Collected: 06/26/25 11:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-7
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.602	U	0.773	0.776	3.00	1.29	pCi/L	07/07/25 08:25	07/13/25 15:18	1
Gross Beta	**1.45**		0.683	0.698	4.00	0.978	pCi/L	07/07/25 08:25	07/13/25 15:18	1

Client Sample ID: CARIBOU PORTAL
Date Collected: 06/26/25 12:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-8
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**4.38**		1.42	1.50	3.00	1.31	pCi/L	07/07/25 08:25	07/13/25 15:18	1
Gross Beta	**1.98**		0.809	0.833	4.00	1.09	pCi/L	07/07/25 08:25	07/13/25 15:18	1

Method: EPA 901.1 - Cesium 137 & Other Gamma Emitters (GS) - Dissolved

Client Sample ID: CROSS WELL
Date Collected: 06/26/25 11:15
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-1
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	2.69	U G	14.4	14.5	20.0	25.1	pCi/L	07/08/25 14:59	07/09/25 21:15	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 21:15*	*1*

Method: EPA 901.1 - Cesium 137 & Other Gamma Emitters (GS) - Dissolved

Client Sample ID: COMPLIANCE WELL
Date Collected: 06/26/25 11:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-2
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	1.25	U G	15.2	15.2	20.0	26.4	pCi/L	07/08/25 14:59	07/09/25 21:15	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Bi-214	*172*		*30.0*	*34.4*		*26.4*	*pCi/L*	*07/08/25 14:59*	*07/09/25 21:15*	*1*
Pb-214	*158*		*27.3*	*31.4*		*30.8*	*pCi/L*	*07/08/25 14:59*	*07/09/25 21:15*	*1*

Client Sample ID: COMPLIANCE 03
Date Collected: 06/26/25 11:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-3
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	1.33	U G	13.6	13.6	20.0	24.8	pCi/L	07/08/25 14:59	07/09/25 21:14	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 21:14*	*1*

Client Sample ID: CARIBOU WELL
Date Collected: 06/26/25 12:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-4
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	4.33	U	9.72	9.73	20.0	16.8	pCi/L	07/08/25 14:59	07/09/25 22:20	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Bi-214	*70.4*		*23.6*	*24.6*		*26.2*	*pCi/L*	*07/08/25 14:59*	*07/09/25 22:20*	*1*
Pb-214	*55.6*		*19.4*	*20.1*		*26.5*	*pCi/L*	*07/08/25 14:59*	*07/09/25 22:20*	*1*

Client Sample ID: CARIBOU WELL 02
Date Collected: 06/26/25 12:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-5
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-1.00	U G	13.4	13.4	20.0	23.7	pCi/L	07/08/25 14:59	07/09/25 22:21	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 22:21*	*1*

Method: EPA 901.1 - Cesium 137 & Other Gamma Emitters (GS) - Dissolved

Client Sample ID: CROSS PORTAL
Date Collected: 06/26/25 11:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-6
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-10.4	U G	20.5	20.6	20.0	34.9	pCi/L	07/08/25 14:59	07/09/25 22:19	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 22:19*	*1*

Client Sample ID: CROSS PORTAL 02
Date Collected: 06/26/25 11:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-7
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	4.55	U	7.22	7.23	20.0	11.4	pCi/L	07/08/25 14:59	07/09/25 22:19	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Bi-214	*93.4*		*25.0*	*26.6*		*26.5*	*pCi/L*	*07/08/25 14:59*	*07/09/25 22:19*	*1*

Client Sample ID: CARIBOU PORTAL
Date Collected: 06/26/25 12:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209762-8
Matrix: Water

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-4.48	U G	9.20	9.21	20.0	21.0	pCi/L	07/08/25 14:59	07/09/25 22:20	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 22:20*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 280-210139-C-1-B MS
Matrix: Water
Analysis Batch: 704019

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	4.1	F1	10.0	17.8	F1	mg/L		138	75 - 125
Boron	1.2		2.00	3.34		mg/L		107	75 - 125
Iron	8.0	B	10.0	18.7		mg/L		106	75 - 125

Lab Sample ID: 280-210139-C-1-C MSD
Matrix: Water
Analysis Batch: 704019

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	4.1	F1	10.0	17.6	F1	mg/L		135	75 - 125	1	20
Boron	1.2		2.00	3.34		mg/L		107	75 - 125	0	20
Iron	8.0	B	10.0	18.6		mg/L		105	75 - 125	1	20

Lab Sample ID: MB 280-703657/1-A
Matrix: Water
Analysis Batch: 704019

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.10	0.025	mg/L		07/08/25 14:48	07/10/25 02:11	1
Boron	ND		0.050	0.015	mg/L		07/08/25 14:48	07/10/25 02:11	1
Iron	0.0898	J	0.10	0.040	mg/L		07/08/25 14:48	07/10/25 02:11	1

Lab Sample ID: LCS 280-703657/2-A
Matrix: Water
Analysis Batch: 704019

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	10.3		mg/L		103	85 - 115
Boron	2.00	2.06		mg/L		103	85 - 115
Iron	10.0	10.3		mg/L		103	85 - 115

Method: 200.8 - ICPMS Total Metals

Lab Sample ID: 280-210139-C-1-E MS
Matrix: Water
Analysis Batch: 704153

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00051	J	0.0400	0.0374		mg/L		92	85 - 115
Arsenic	0.0039		0.0400	0.0381		mg/L		86	79 - 120
Barium	0.082	F1	0.0400	0.116	F1	mg/L		85	89 - 115
Cadmium	ND	F1	0.0400	0.0350	F1	mg/L		88	89 - 111
Lead	0.0028		0.0400	0.0403		mg/L		94	88 - 115
Molybdenum	0.018		0.0400	0.0551		mg/L		93	89 - 112
Uranium	0.0015		0.0400	0.0406		mg/L		98	85 - 115
Zinc	0.30		0.0400	0.327	4	mg/L		70	88 - 115

Method: 200.8 - ICPMS Total Metals (Continued)

Lab Sample ID: 280-210139-C-1-E MS
Matrix: Water
Analysis Batch: 704275

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.24		0.0400	0.276	4	mg/L		88	87 - 115

Lab Sample ID: 280-210139-C-1-E MS
Matrix: Water
Analysis Batch: 704579

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.062	F1	0.0400	0.0979		mg/L		90	90 - 115

Lab Sample ID: 280-210139-C-1-F MSD
Matrix: Water
Analysis Batch: 704153

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00051	J	0.0400	0.0383		mg/L		95	85 - 115	2	20
Arsenic	0.0039		0.0400	0.0398		mg/L		90	79 - 120	4	20
Barium	0.082	F1	0.0400	0.117	F1	mg/L		86	89 - 115	1	20
Cadmium	ND	F1	0.0400	0.0352	F1	mg/L		88	89 - 111	0	20
Lead	0.0028		0.0400	0.0408		mg/L		95	88 - 115	1	20
Molybdenum	0.018		0.0400	0.0558		mg/L		95	89 - 112	1	20
Uranium	0.0015		0.0400	0.0419		mg/L		101	85 - 115	3	20
Zinc	0.30		0.0400	0.331	4	mg/L		79	88 - 115	1	20

Lab Sample ID: 280-210139-C-1-F MSD
Matrix: Water
Analysis Batch: 704275

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.24		0.0400	0.273	4	mg/L		81	87 - 115	1	20

Lab Sample ID: 280-210139-C-1-F MSD
Matrix: Water
Analysis Batch: 704579

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.062	F1	0.0400	0.0958	F1	mg/L		84	90 - 115	2	20

Lab Sample ID: MB 280-703657/1-A
Matrix: Water
Analysis Batch: 704153

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:34	1
Arsenic	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:34	1
Barium	ND		0.0020	0.00055	mg/L		07/08/25 14:48	07/11/25 03:34	1
Cadmium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:34	1
Lead	ND		0.0010	0.00050	mg/L		07/08/25 14:48	07/11/25 03:34	1
Molybdenum	ND		0.0020	0.00050	mg/L		07/08/25 14:48	07/11/25 03:34	1
Uranium	ND		0.0010	0.00025	mg/L		07/08/25 14:48	07/11/25 03:34	1
Zinc	ND		0.010	0.0050	mg/L		07/08/25 14:48	07/11/25 03:34	1

Method: 200.8 - ICPMS Total Metals

Lab Sample ID: MB 280-703657/1-A
Matrix: Water
Analysis Batch: 704275

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0030	0.0015	mg/L		07/08/25 14:48	07/11/25 11:31	1

Lab Sample ID: MB 280-703657/1-A
Matrix: Water
Analysis Batch: 704579

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.0020	0.0010	mg/L		07/08/25 14:48	07/14/25 22:58	1

Lab Sample ID: LCS 280-703657/14-A
Matrix: Water
Analysis Batch: 704153

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0400	0.0385		mg/L		96	85 - 115
Arsenic	0.0400	0.0369		mg/L		92	89 - 111
Barium	0.0400	0.0390		mg/L		97	89 - 115
Cadmium	0.0400	0.0370		mg/L		92	89 - 111
Lead	0.0400	0.0385		mg/L		96	88 - 115
Molybdenum	0.0400	0.0383		mg/L		96	89 - 112
Uranium	0.0400	0.0384		mg/L		96	85 - 115
Zinc	0.0400	0.0353		mg/L		88	88 - 115

Lab Sample ID: LCS 280-703657/14-A
Matrix: Water
Analysis Batch: 704275

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.0400	0.0362		mg/L		90	87 - 115

Lab Sample ID: LCS 280-703657/14-A
Matrix: Water
Analysis Batch: 704579

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 703657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.0400	0.0411		mg/L		103	90 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-702177/44
Matrix: Water
Analysis Batch: 702177

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.50	0.10	mg/L			06/27/25 04:51	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-702177/42
Matrix: Water
Analysis Batch: 702177

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	5.06		mg/L		101	90 - 110

Lab Sample ID: LCSD 280-702177/43
Matrix: Water
Analysis Batch: 702177

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	5.00	5.03		mg/L		101	90 - 110	1	10

Lab Sample ID: MRL 280-702177/3
Matrix: Water
Analysis Batch: 702177

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.500	0.470	J	mg/L		94	50 - 150

Lab Sample ID: 280-209762-6 MS
Matrix: Water
Analysis Batch: 702177

Client Sample ID: CROSS PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.15	J	5.00	5.04		mg/L		98	90 - 110

Lab Sample ID: 280-209762-6 MSD
Matrix: Water
Analysis Batch: 702177

Client Sample ID: CROSS PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.15	J	5.00	5.05		mg/L		98	90 - 110	0	15

Lab Sample ID: 280-209762-6 DU
Matrix: Water
Analysis Batch: 702177

Client Sample ID: CROSS PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	0.15	J	0.146	J	mg/L		0.7	15

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-703750/94
Matrix: Water
Analysis Batch: 703750

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.060	mg/L			07/08/25 15:17	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-703750/95
Matrix: Water
Analysis Batch: 703750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			1.00	0.979		mg/L		98	90 - 110		

Lab Sample ID: 280-209648-G-2 MS
Matrix: Water
Analysis Batch: 703750

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	ND		2.00	1.84		mg/L		92	90 - 110		

Lab Sample ID: 280-209648-G-2 MSD
Matrix: Water
Analysis Batch: 703750

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		2.00	1.86		mg/L		93	90 - 110	1	10

Lab Sample ID: MB 280-704970/57
Matrix: Water
Analysis Batch: 704970

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.060	mg/L			07/16/25 15:11	1

Lab Sample ID: LCS 280-704970/58
Matrix: Water
Analysis Batch: 704970

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			1.00	1.02		mg/L		102	90 - 110		

Lab Sample ID: LCSD 280-704970/59
Matrix: Water
Analysis Batch: 704970

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N			1.00	1.02		mg/L		102	90 - 110	0	10

Lab Sample ID: 550-233892-A-1 MS
Matrix: Water
Analysis Batch: 704970

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	ND		2.00	1.93		mg/L		96	90 - 110		

Lab Sample ID: 550-233892-A-1 MSD
Matrix: Water
Analysis Batch: 704970

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		2.00	1.94		mg/L		97	90 - 110	1	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-702978/1
Matrix: Water
Analysis Batch: 702978

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	6.0	mg/L			07/02/25 09:12	1

Lab Sample ID: LCS 280-702978/2
Matrix: Water
Analysis Batch: 702978

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	503	499		mg/L		99	88 - 114

Lab Sample ID: MB 280-703177/1
Matrix: Water
Analysis Batch: 703177

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	6.0	mg/L			07/03/25 09:07	1

Lab Sample ID: LCS 280-703177/2
Matrix: Water
Analysis Batch: 703177

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	503	504		mg/L		100	88 - 114

Lab Sample ID: 280-209954-B-12 DU
Matrix: Water
Analysis Batch: 703177

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids (TDS)	1200		1180		mg/L		1	10

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-702389/15
Matrix: Water
Analysis Batch: 702389

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	0.50	mg/L			06/27/25 11:16	1

Lab Sample ID: LCS 280-702389/13
Matrix: Water
Analysis Batch: 702389

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.2		mg/L		106	90 - 110

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCSD 280-702389/14
Matrix: Water
Analysis Batch: 702389

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			20.0	20.9		mg/L		104	90 - 110	2	10

Lab Sample ID: 280-209762-8 MS
Matrix: Water
Analysis Batch: 702389

Client Sample ID: CARIBOU PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND	F1	20.0	22.3	F1	mg/L		112	90 - 110		

Lab Sample ID: 280-209762-8 MSD
Matrix: Water
Analysis Batch: 702389

Client Sample ID: CARIBOU PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND	F1	20.0	22.3	F1	mg/L		111	90 - 110	0	10

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 280-702354/14
Matrix: Water
Analysis Batch: 702354

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		3.0	1.0	mg/L			06/27/25 10:17	1

Lab Sample ID: LCS 280-702354/12
Matrix: Water
Analysis Batch: 702354

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			25.0	26.5		mg/L		106	90 - 110		

Lab Sample ID: LCSD 280-702354/13
Matrix: Water
Analysis Batch: 702354

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			25.0	26.6		mg/L		106	90 - 110	0	10

Lab Sample ID: 280-209762-8 MS
Matrix: Water
Analysis Batch: 702354

Client Sample ID: CARIBOU PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	11		25.0	37.0		mg/L		105	90 - 110		

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 280-209762-8 MSD
Matrix: Water
Analysis Batch: 702354

Client Sample ID: CARIBOU PORTAL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	11		25.0	36.3		mg/L		103	90 - 110	2	10

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-726052/1-A
Matrix: Water
Analysis Batch: 727044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 726052

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.3353	U	0.460	0.462	3.00	1.01	pCi/L	07/07/25 08:25	07/13/25 15:18	1
Gross Beta	-0.1712	U	0.590	0.590	4.00	1.08	pCi/L	07/07/25 08:25	07/13/25 15:18	1

Lab Sample ID: LCS 160-726052/2-A
Matrix: Water
Analysis Batch: 727044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.4	60.24		8.55	3.00	1.29	pCi/L	122	75 - 125

Lab Sample ID: LCSB 160-726052/3-A
Matrix: Water
Analysis Batch: 727044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	69.5	73.66		7.93	4.00	1.13	pCi/L	106	75 - 125

Lab Sample ID: 180-192347-B-2-B MS
Matrix: Water
Analysis Batch: 727045

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	0.943	U G	54.9	63.63		9.67	3.00	3.76	pCi/L	114	60 - 140

Lab Sample ID: 180-192347-B-2-C MSBT
Matrix: Water
Analysis Batch: 727045

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 726052

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	1.88		77.2	79.91		8.59	4.00	0.995	pCi/L	101	60 - 140

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

Lab Sample ID: 180-192347-B-2-D DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 727046 — **Prep Batch: 726052**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Gross Alpha	0.943	U G		1.700	U	1.68	3.00	2.65	pCi/L			0.22	1
Gross Beta	1.88			2.300		0.855	4.00	1.11	pCi/L			0.26	1

Method: 901.1 - Cesium 137 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-726179/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726340 — **Prep Batch: 726179**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Cesium-137	-5.114	U	11.8	11.8	20.0	19.9	pCi/L	07/08/25 14:59	07/09/25 21:14	1

Other Detected Radionuclides	*MB Result*	*MB Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/L*	*07/08/25 14:59*	*07/09/25 21:14*	*1*

Lab Sample ID: LCS 160-726179/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726338 — **Prep Batch: 726179**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Americium-241			142000	140400		14400		409	pCi/L	99	75 - 125		
Cesium-137			37900	37600		3680	20.0	120	pCi/L	99	75 - 125		
Cobalt-60			52900	51490		5020		138	pCi/L	97	75 - 125		

Lab Sample ID: 400-277750-Q-1-C DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 726524 — **Prep Batch: 726179**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Cesium-137	-7.69	U G		-14.23	U G	12.2	20.0	25.3	pCi/L			0.24	1

Other Detected Radionuclides	*Sample Result*	*Sample Qual*		*DU Result*	*DU Qual*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*			*RER*	*RER Limit*
Other Detected Radionuclide	*None*			*None*					*pCi/L*				

Metals

Prep Batch: 703657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	200.8	
280-209762-2	COMPLIANCE WELL	Dissolved	Water	200.8	
280-209762-3	COMPLIANCE 03	Dissolved	Water	200.8	
280-209762-4	CARIBOU WELL	Dissolved	Water	200.8	
280-209762-5	CARIBOU WELL 02	Dissolved	Water	200.8	
280-209762-6	CROSS PORTAL	Dissolved	Water	200.8	
280-209762-7	CROSS PORTAL 02	Dissolved	Water	200.8	
280-209762-8	CARIBOU PORTAL	Dissolved	Water	200.8	
MB 280-703657/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-703657/14-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-703657/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-210139-C-1-B MS	Matrix Spike	Total/NA	Water	200.8	
280-210139-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	
280-210139-C-1-E MS	Matrix Spike	Total/NA	Water	200.8	
280-210139-C-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 704019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-2	COMPLIANCE WELL	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-3	COMPLIANCE 03	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-4	CARIBOU WELL	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-5	CARIBOU WELL 02	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-6	CROSS PORTAL	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-7	CROSS PORTAL 02	Dissolved	Water	200.7 Rev 4.4	703657
280-209762-8	CARIBOU PORTAL	Dissolved	Water	200.7 Rev 4.4	703657
MB 280-703657/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	703657
LCS 280-703657/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	703657
280-210139-C-1-B MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	703657
280-210139-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	703657

Analysis Batch: 704153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	200.8	703657
280-209762-2	COMPLIANCE WELL	Dissolved	Water	200.8	703657
280-209762-3	COMPLIANCE 03	Dissolved	Water	200.8	703657
280-209762-4	CARIBOU WELL	Dissolved	Water	200.8	703657
280-209762-5	CARIBOU WELL 02	Dissolved	Water	200.8	703657
280-209762-6	CROSS PORTAL	Dissolved	Water	200.8	703657
280-209762-7	CROSS PORTAL 02	Dissolved	Water	200.8	703657
280-209762-8	CARIBOU PORTAL	Dissolved	Water	200.8	703657
MB 280-703657/1-A	Method Blank	Total Recoverable	Water	200.8	703657
LCS 280-703657/14-A	Lab Control Sample	Total Recoverable	Water	200.8	703657
280-210139-C-1-E MS	Matrix Spike	Total/NA	Water	200.8	703657
280-210139-C-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	703657

Analysis Batch: 704275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	200.8	703657
280-209762-2	COMPLIANCE WELL	Dissolved	Water	200.8	703657
280-209762-3	COMPLIANCE 03	Dissolved	Water	200.8	703657

Metals (Continued)

Analysis Batch: 704275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-4	CARIBOU WELL	Dissolved	Water	200.8	703657
280-209762-5	CARIBOU WELL 02	Dissolved	Water	200.8	703657
280-209762-6	CROSS PORTAL	Dissolved	Water	200.8	703657
280-209762-7	CROSS PORTAL 02	Dissolved	Water	200.8	703657
280-209762-8	CARIBOU PORTAL	Dissolved	Water	200.8	703657
MB 280-703657/1-A	Method Blank	Total Recoverable	Water	200.8	703657
LCS 280-703657/14-A	Lab Control Sample	Total Recoverable	Water	200.8	703657
280-210139-C-1-E MS	Matrix Spike	Total/NA	Water	200.8	703657
280-210139-C-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	703657

Analysis Batch: 704579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	200.8	703657
280-209762-2	COMPLIANCE WELL	Dissolved	Water	200.8	703657
280-209762-3	COMPLIANCE 03	Dissolved	Water	200.8	703657
280-209762-4	CARIBOU WELL	Dissolved	Water	200.8	703657
280-209762-5	CARIBOU WELL 02	Dissolved	Water	200.8	703657
280-209762-6	CROSS PORTAL	Dissolved	Water	200.8	703657
280-209762-7	CROSS PORTAL 02	Dissolved	Water	200.8	703657
280-209762-8	CARIBOU PORTAL	Dissolved	Water	200.8	703657
MB 280-703657/1-A	Method Blank	Total Recoverable	Water	200.8	703657
LCS 280-703657/14-A	Lab Control Sample	Total Recoverable	Water	200.8	703657
280-210139-C-1-E MS	Matrix Spike	Total/NA	Water	200.8	703657
280-210139-C-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	703657

General Chemistry

Analysis Batch: 702177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Total/NA	Water	300.0	
280-209762-2	COMPLIANCE WELL	Total/NA	Water	300.0	
280-209762-3	COMPLIANCE 03	Total/NA	Water	300.0	
280-209762-4	CARIBOU WELL	Total/NA	Water	300.0	
280-209762-5	CARIBOU WELL 02	Total/NA	Water	300.0	
280-209762-6	CROSS PORTAL	Total/NA	Water	300.0	
280-209762-7	CROSS PORTAL 02	Total/NA	Water	300.0	
280-209762-8	CARIBOU PORTAL	Total/NA	Water	300.0	
MB 280-702177/44	Method Blank	Total/NA	Water	300.0	
LCS 280-702177/42	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-702177/43	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-702177/3	Lab Control Sample	Total/NA	Water	300.0	
280-209762-6 MS	CROSS PORTAL	Total/NA	Water	300.0	
280-209762-6 MSD	CROSS PORTAL	Total/NA	Water	300.0	
280-209762-6 DU	CROSS PORTAL	Total/NA	Water	300.0	

Analysis Batch: 702354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Total/NA	Water	SM 4500 SO4 E	
280-209762-2	COMPLIANCE WELL	Total/NA	Water	SM 4500 SO4 E	
280-209762-3	COMPLIANCE 03	Total/NA	Water	SM 4500 SO4 E	
280-209762-4	CARIBOU WELL	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 702354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-5	CARIBOU WELL 02	Total/NA	Water	SM 4500 SO4 E	
280-209762-6	CROSS PORTAL	Total/NA	Water	SM 4500 SO4 E	
280-209762-7	CROSS PORTAL 02	Total/NA	Water	SM 4500 SO4 E	
280-209762-8	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E	
MB 280-702354/14	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-702354/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-702354/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-209762-8 MS	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E	
280-209762-8 MSD	CARIBOU PORTAL	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 702389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Total/NA	Water	SM 4500 Cl- E	
280-209762-2	COMPLIANCE WELL	Total/NA	Water	SM 4500 Cl- E	
280-209762-3	COMPLIANCE 03	Total/NA	Water	SM 4500 Cl- E	
280-209762-4	CARIBOU WELL	Total/NA	Water	SM 4500 Cl- E	
280-209762-5	CARIBOU WELL 02	Total/NA	Water	SM 4500 Cl- E	
280-209762-6	CROSS PORTAL	Total/NA	Water	SM 4500 Cl- E	
280-209762-7	CROSS PORTAL 02	Total/NA	Water	SM 4500 Cl- E	
280-209762-8	CARIBOU PORTAL	Total/NA	Water	SM 4500 Cl- E	
MB 280-702389/15	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 280-702389/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-702389/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
280-209762-8 MS	CARIBOU PORTAL	Total/NA	Water	SM 4500 Cl- E	
280-209762-8 MSD	CARIBOU PORTAL	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 702978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Total/NA	Water	SM 2540C	
280-209762-2	COMPLIANCE WELL	Total/NA	Water	SM 2540C	
280-209762-3	COMPLIANCE 03	Total/NA	Water	SM 2540C	
280-209762-4	CARIBOU WELL	Total/NA	Water	SM 2540C	
280-209762-5	CARIBOU WELL 02	Total/NA	Water	SM 2540C	
MB 280-702978/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-702978/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 703177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-6	CROSS PORTAL	Total/NA	Water	SM 2540C	
280-209762-7	CROSS PORTAL 02	Total/NA	Water	SM 2540C	
280-209762-8	CARIBOU PORTAL	Total/NA	Water	SM 2540C	
MB 280-703177/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-703177/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-209954-B-12 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 703750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Total/NA	Water	353.2	
280-209762-2	COMPLIANCE WELL	Total/NA	Water	353.2	
280-209762-3	COMPLIANCE 03	Total/NA	Water	353.2	
280-209762-4	CARIBOU WELL	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 703750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-5	CARIBOU WELL 02	Total/NA	Water	353.2	
280-209762-6	CROSS PORTAL	Total/NA	Water	353.2	
MB 280-703750/94	Method Blank	Total/NA	Water	353.2	
LCS 280-703750/95	Lab Control Sample	Total/NA	Water	353.2	
280-209648-G-2 MS	Matrix Spike	Total/NA	Water	353.2	
280-209648-G-2 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	

Analysis Batch: 704970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-7	CROSS PORTAL 02	Total/NA	Water	353.2	
280-209762-8	CARIBOU PORTAL	Total/NA	Water	353.2	
MB 280-704970/57	Method Blank	Total/NA	Water	353.2	
LCS 280-704970/58	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-704970/59	Lab Control Sample Dup	Total/NA	Water	353.2	
550-233892-A-1 MS	Matrix Spike	Total/NA	Water	353.2	
550-233892-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	

Rad

Prep Batch: 726052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	Evaporation	
280-209762-2	COMPLIANCE WELL	Dissolved	Water	Evaporation	
280-209762-3	COMPLIANCE 03	Dissolved	Water	Evaporation	
280-209762-4	CARIBOU WELL	Dissolved	Water	Evaporation	
280-209762-5	CARIBOU WELL 02	Dissolved	Water	Evaporation	
280-209762-6	CROSS PORTAL	Dissolved	Water	Evaporation	
280-209762-7	CROSS PORTAL 02	Dissolved	Water	Evaporation	
280-209762-8	CARIBOU PORTAL	Dissolved	Water	Evaporation	
MB 160-726052/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-726052/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-726052/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
180-192347-B-2-B MS	Matrix Spike	Total/NA	Water	Evaporation	
180-192347-B-2-C MSBT	Matrix Spike	Total/NA	Water	Evaporation	
180-192347-B-2-D DU	Duplicate	Total/NA	Water	Evaporation	

Prep Batch: 726179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209762-1	CROSS WELL	Dissolved	Water	Fill_Geo-0	
280-209762-2	COMPLIANCE WELL	Dissolved	Water	Fill_Geo-0	
280-209762-3	COMPLIANCE 03	Dissolved	Water	Fill_Geo-0	
280-209762-4	CARIBOU WELL	Dissolved	Water	Fill_Geo-0	
280-209762-5	CARIBOU WELL 02	Dissolved	Water	Fill_Geo-0	
280-209762-6	CROSS PORTAL	Dissolved	Water	Fill_Geo-0	
280-209762-7	CROSS PORTAL 02	Dissolved	Water	Fill_Geo-0	
280-209762-8	CARIBOU PORTAL	Dissolved	Water	Fill_Geo-0	
MB 160-726179/1-A	Method Blank	Total/NA	Water	Fill_Geo-0	
LCS 160-726179/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-0	
400-277750-Q-1-C DU	Duplicate	Total/NA	Water	Fill_Geo-0	

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Client Sample ID: CROSS WELL

Lab Sample ID: 280-209762-1

Date Collected: 06/26/25 11:15
Date Received: 06/26/25 16:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 02:51	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 11:57	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:16	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 03:51	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 09:40	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:24	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	702978	07/02/25 09:12	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:17	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:19	AKF	EET DEN
Dissolved	Prep	Evaporation			200.03 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:18	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726341	07/09/25 21:15	MLS	EET SL

Client Sample ID: COMPLIANCE WELL

Lab Sample ID: 280-209762-2

Date Collected: 06/26/25 11:30
Date Received: 06/26/25 16:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 02:55	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:01	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:27	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 03:53	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 09:57	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:25	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	702978	07/02/25 09:12	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:17	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:19	AKF	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:01	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726344	07/09/25 21:15	ASA	EET SL

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Client Sample ID: COMPLIANCE 03

Lab Sample ID: 280-209762-3

Date Collected: 06/26/25 11:30

Matrix: Water

Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 02:58	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:12	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:31	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 03:56	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 10:14	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:26	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	702978	07/02/25 09:12	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:18	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:20	AKF	EET DEN
Dissolved	Prep	Evaporation			200.03 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:00	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726525	07/09/25 21:14	MLS	EET SL

Client Sample ID: CARIBOU WELL

Lab Sample ID: 280-209762-4

Date Collected: 06/26/25 12:30

Matrix: Water

Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:49	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 03:02	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:49	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:15	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:49	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:34	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:49	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 04:03	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 10:48	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:27	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	702978	07/02/25 09:12	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:18	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:20	AKF	EET DEN
Dissolved	Prep	Evaporation			200.00 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:18	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726342	07/09/25 22:20	SCB	EET SL

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Client Sample ID: CARIBOU WELL 02

Lab Sample ID: 280-209762-5

Date Collected: 06/26/25 12:30

Matrix: Water

Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 03:06	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:19	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:38	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 04:05	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 11:05	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:29	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	702978	07/02/25 09:12	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:18	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:20	AKF	EET DEN
Dissolved	Prep	Evaporation			200.00 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:17	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726343	07/09/25 22:21	MLS	EET SL

Client Sample ID: CROSS PORTAL

Lab Sample ID: 280-209762-6

Date Collected: 06/26/25 11:00

Matrix: Water

Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 03:10	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:23	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:41	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 04:07	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 08:15	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	703750	07/08/25 15:30	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	703177	07/03/25 09:07	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:18	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:21	AKF	EET DEN
Dissolved	Prep	Evaporation			200.03 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:17	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726525	07/09/25 22:19	MLS	EET SL

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Client Sample ID: CROSS PORTAL 02

Lab Sample ID: 280-209762-7

Date Collected: 06/26/25 11:00
Matrix: Water
Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 03:14	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:26	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:45	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 04:10	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 09:23	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	704970	07/16/25 15:49	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	703177	07/03/25 09:07	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:18	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:21	AKF	EET DEN
Dissolved	Prep	Evaporation			200.02 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:18	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726340	07/09/25 22:19	MLS	EET SL

Client Sample ID: CARIBOU PORTAL

Lab Sample ID: 280-209762-8

Date Collected: 06/26/25 12:00
Matrix: Water
Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			704019	07/10/25 03:17	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704275	07/11/25 12:30	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704579	07/14/25 23:49	LMT	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	703657	07/08/25 14:48	TR	EET DEN
Dissolved	Analysis	200.8		1			704153	07/11/25 04:12	LMT	EET DEN
Total/NA	Analysis	300.0		1	10 mL	10 mL	702177	06/27/25 10:31	IRC	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	704970	07/16/25 15:50	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	703177	07/03/25 09:07	BRD	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	702389	06/27/25 11:42	AKF	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	702354	06/27/25 10:48	AKF	EET DEN
Dissolved	Prep	Evaporation			200.01 mL	1.0 g	726052	07/07/25 08:25	MEH	EET SL
Dissolved	Analysis	900.0		1			727044	07/13/25 15:18	SWS	EET SL
Dissolved	Prep	Fill_Geo-0			1000 mL	1.0 g	726179	07/08/25 14:59	SAC	EET SL
Dissolved	Analysis	901.1		1			726338	07/09/25 22:20	MLS	EET SL

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Grand Island Resources
Job ID: 280-209762-1
Project/Site: Nederland, CO - Groundwater

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-26
A2LA	ISO/IEC 17025	2907.01	10-31-26
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-25
Arkansas DEQ	State	88-00687	04-02-26
California	State	2513	01-08-26
Colorado	Petroleum Storage Tank Program	2907.01 (A2LA)	10-31-26
Colorado	State	CO00026	06-30-26
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-26
Georgia	State	4025	01-08-26
Illinois	NELAP	200017	05-31-26
Iowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-26
Kentucky (WW)	State	KY98047	12-31-25
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-26
Minnesota	NELAP	1788752	12-31-25
Montana (DW)	State	CERT0117	01-01-26
Nevada	State	CO00026	07-31-25
New Hampshire	NELAP	2053	04-28-26
New Jersey	NELAP	CO004	06-30-26
New York	NELAP	11964	04-01-26
North Dakota	State	R-034	01-08-25 *
Oklahoma	NELAP	8614	08-31-25
Oregon	NELAP	4025	01-08-26
Pennsylvania	NELAP	68-00664	07-31-25
South Carolina	State	72002001	01-18-25 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183	09-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO00026	07-31-25
Virginia	NELAP	460232	06-14-26
Washington	State	C583	08-03-25
West Virginia DEP	State	354	11-30-25
Wisconsin	State	999615430	08-31-25
Wyoming (UST)	A2LA	2907.01	06-09-26

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Groundwater

Job ID: 280-209762-1

Laboratory: Eurofins St. Louis (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25 *
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-25 *
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-25 *
Missouri	State	780	06-30-25 *
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-25 *
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	08-02-25
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25 *
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

280-209762 Chain of Custody

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	
Company: Grand Island Resources	PWSID:			
Address: 12567 West Cedar Road Suite 250	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80466	Compliance Project: Δ Yes Δ No			
Phone: 315-414-6986	PO #: Not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO	Project #: 28025589			
Site: Groundwater Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/200.8 - Dissolved Metals (Groundwater Permit List) (Field Filtered)	SM4500_SO4_E - Sulfate, SM4500_Cl_E - Chloride, and 300.0 Nitrate	353.2 - Nitrate/Nitrite as N	2540C - TDS	900.0 - Gross Alpha and Gross Beta (Field Filtered) (Eurofins TestAmerica St. Louis)	901.1 - Beta/Photon Emitters + TICs (Field Filtered) (Eurofins TestAmerica St. Louis)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	S	N	D	D		
CROSS WELL	6/26/25	11:15	G	W			X			X				300.0 Nitrate = 48 hour hold time
COMPLIANCE WELL		11:20	G	W			X	X	X	X	X	X		* Groundwater Dissolved Metals Permit List = 200.7 (Al, B, Fe) and 200.8 (Sb, As, Ba, Cd, Cu, Pb, Mn, Mo, U, Zn)
COMPLIANCE DE		11:20	G	W			X			X	X	X		
CARIBOU WELL		12:30	G	W			X	X	X	X	X	X		FIELD FILTERED
CARIBOU WELL 02		12:30	G	W			X	X	X	X	X			SAMPLES IN
CROSS PORTAL		11:00	G	W			X	X	X	X	X			NITRIC-PRESERVED
CROSS PORTAL 02		11:00	G	W			X	X	X	X	X			BOTTLES.
CARIBOU PORTAL		12:00	G	W			X	X	X	X	X	X		

Total Number of containers

C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	BMoran	6/26/25 5:13	GIR	JP Brewer	6/26/25 5:14	GIR
2	JP Brewer	6/26/25 16:38			6/26/25 1638	EET DEN
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~T:13.9~~ CF 02 IR: PARU T: 8.1, 5.3, 5.5

Ver: 01/16/2019

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

280-209762 Chain of Custody

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	
Company: Grand Island Resources	PWSID:			
Address: 12567 West Cedar Road Suite 250	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80466	Compliance Project: Δ Yes Δ No			
Phone: 315-414-6986	PO #: Not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO	Project #: 28025589			
Site: Groundwater Sampling	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/200.8 - Dissolved Metals (Groundwater Permit List) (Field Filtered)	SM4500_SO4_E - Sulfate, SM4500_Cl_E - Chloride, and 300.0 Nitrate	353.2 - Nitrate/Nitrite as N	2540C - TDS	900.0 - Gross Alpha and Gross Beta (Field Filtered) (Eurofins TestAmerica St Louis)	901.1 - Beta/Photon Emitters + TICs (Field Filtered) (Eurofins TestAmerica St Louis)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	S	N	D	D		
CROSS WELL	6/26/25	11:15	G	W			X	X	X	X	X	X		300.0 Nitrate = 48 hour hold time
COMPLIANCE WELL		11:30	G	W			X	X	X	X	X	X		* Groundwater Dissolved Metals Permit List = 200.7 (Al, B, Fe) and 200.8 (Sb, As, Ba, Cd, Cu, Pb, Mn, Mo, U, Zn)
COMPLIANCE 03		11:30	G	W			X	X	X	X	X	X		
CARIBOU WELL		12:30	G	W			X	X	X	X	X	X		FIELD FILTERED
CARIBOU WELL 02		12:30	G	W			X	X	X	X	X	X		SAMPLES IN
CROSS PORTAL		11:00	G	W			X	X	X	X	X	X		NITRIC-PRESERVED
CROSS PORTAL 02		11:00	G	W			X	X	X	X	X	X		BOTTLES.
CARIBOU PORTAL		12:00	G	W			X	X	X	X	X	X		

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
BMoran	6/26/25 15:13	GIR	JP Brewer	6/26/25 5:14	GIR
JP Brewer	6/26/25 16:38			6/26/25 1638	FEDEX
				JB	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: T: 13.8 CF: 0.2 IR: PABU
T: G 15.3 5.5

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s): N/A	COC No: 280-752351.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin: Colorado	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 280-209762-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/28/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nederland, CO - Groundwater	Project #: 28025589			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	901.1_Cs/FIELD_FLTRD(MOD) Cesium-137 only	900.0/FIELD_FLTRDStandard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
CROSS WELL (280-209762-1)	6/26/25	11:15 Mountain	G	Water			X	X	2	
COMPLIANCE WELL (280-209762-2)	6/26/25	11:30 Mountain	G	Water			X	X	2	
COMPLIANCE 03 (280-209762-3)	6/26/25	11:30 Mountain	G	Water			X	X	2	
CARIBOU WELL (280-209762-4)	6/26/25	12:30 Mountain	G	Water			X	X	2	
CARIBOU WELL 02 (280-209762-5)	6/26/25	12:30 Mountain	G	Water			X	X	2	
CROSS PORTAL (280-209762-6)	6/26/25	11:00 Mountain	G	Water			X	X	2	
CROSS PORTAL 02 (280-209762-7)	6/26/25	11:00 Mountain	G	Water			X	X	2	
CARIBOU PORTAL (280-209762-8)	6/26/25	12:00 Mountain	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Lisa Nielsen	6/27/25 1317	etaden		0850 JUN 30 2025	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

eurofins | Environment Testing

380-157207 Login
PM: Aguila, Carmen
Company: Niagara Bottling LLC

CONDITION UPON RECEIPT FORI

Client: Pomona

Initiated by: MLP Date: JUN 30 2025 Time: 0850 Shipper: FE Package Quantity: 2

◦ Mercury solid samples must be received at 0- 6°C. If not, note temp below. ◦ Metal solid samples must be refrigerated (0- 6°C) upon receipt. ◦ If samples are from West Virginia, please fill out form ADMIN-0031.	Thermometer ID and CF (Circle One): ID: CF: (ID: IR-1 CF: -0.2°C)

	Shipping #(s)	Uncorrected Package Temp (°C)	Corrected Package Temp (°C)
1.	4612 8633 6367 6378	24.8	24.6
2.		23.4	23.2
3.			
4.			
5.			
6.			

Condition Circle "Y" for yes, "N" for no and "N/A" for not applicable.
Inspected by: CLF

1.	Y (N)	Are there custody seals present on the cooler?	9.	Y N (N/A)	Do custody seals on bottles appear to be tampered with?
2.	Y N (N/A)	Do custody seals on cooler appear to be tampered with?	10.	(Y) N	Sample received in proper containers?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	11.	Y N (N/A)	Headspace in Rn-222 samples? ◦ Any air bubble must have NCM ◦ If Yes, note sample ID's below
4.	(Y) N	Sample received with Chain of Custody (COC)?	12.	(Y) N N/A	Individual containers frisked after unpacking? SW
5.	(Y) N	Does the COC include the following : ◦ sample ID's that match the container(s)? ◦ location, date and time of collection? ◦ collector's name? ◦ sample preservation type?	13.	(Y) N N/A	Was sample received with proper pH? pH strip lot #: LRS-4801 If not: ◦ contact PM (do not adjust without approval) ◦ Record sample ID and pH in notes ◦ If pH is adjusted, record info below
6.	Y (N)	Was sample received broken?	14.	Y N (N/A)	Are containers for Rn-222, C-14, Cl-36, H-3 & I-129/131 marked with "Do Not Preserve" label?
7.	(Y) N	Is sample volume sufficient for analysis?	15.	Y N (N/A)	Are soil containers for C-14, H-3 & I-129/131 marked with "Do Not Dry" label?
8.	Y (N)	Are there custody seals present on bottles?			

Notes:

pH Adjustment (if needed)	Date/Time of Preservation:
Preservative and lot#:	Final pH checked by (initials/date):
Amount of Preservative:	Final pH and pH strip lot#:

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-209762-1

Login Number: 209762

List Source: Eurofins Denver

List Number: 1

Creator: Little, Matthew L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-209762-1

Login Number: 209762
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 06/30/25 12:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B OUTFALL-001 ANALYTICAL RESULTS

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 4/15/2025 4:00:27 PM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-205572-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

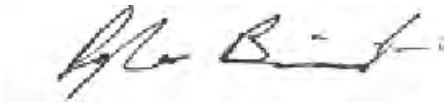
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
4/15/2025 4:00:27 PM

Authorized for release by
Dylan Bieniulis, Project Manager I
Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-205572-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 4/8/2025 3:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Method 1631E - Mercury, Low Level (CVAFS)
Sample OUTFALL-001 (280-205572-1) was analyzed for Mercury, Low Level (CVAFS). The sample was prepared on 4/11/2025 and analyzed on 4/14/2025.

Method 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable
Sample OUTFALL-001 (280-205572-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared and analyzed on 4/9/2025.

The instrument blank for analytical batch 280-691073 contained Iron greater than one-half the reporting limit (RL), and were not re-analyzed because the associated samples are > 10x the level of the blank. The data have been qualified and reported. (CCB 280-691073/47), (280-205572-A-1-C MSD) and (280-205572-A-1-A PDS)

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL-001 (280-205572-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared and analyzed on 4/10/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL-001 (280-205572-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 4/9/2025.

Method 245.1 - Mercury (CVAA)
Sample OUTFALL-001 (280-205572-1) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 4/9/2025.

Method SM 2510B - Conductivity, Specific Conductance
Sample OUTFALL-001 (280-205572-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 4/10/2025.

Method SM 2540D - Solids, Total Suspended (TSS)

Job ID: 280-205572-1 (Continued) Eurofins Denver

Sample OUTFALL-001 (280-205572-1) was analyzed for Solids, Total Suspended (TSS). The sample was prepared and analyzed on 4/9/2025.

Method SM 3500 CR B - Chromium, Hexavalent
Sample OUTFALL-001 (280-205572-1) was analyzed for Chromium, Hexavalent. The sample was prepared on 4/10/2025 and analyzed on 4/9/2025 and 4/10/2025.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved
Sample OUTFALL-001 (280-205572-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 4/8/2025.

The laboratory control sample (LCS) for preparation batch 280-690788 and analytical batch 280-690800 recovered outside control limits for the following analytes: Chromium, hexavalent. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved
Sample OUTFALL-001 (280-205572-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was prepared on 4/9/2025 and analyzed on 4/9/2025 and 4/11/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable
Sample OUTFALL-001 (280-205572-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was prepared on 4/9/2025 and analyzed on 4/9/2025 and 4/11/2025.

Method SM 4500 H+ B - pH
Sample OUTFALL-001 (280-205572-1) was analyzed for pH. The sample was analyzed on 4/11/2025.

Method SM 4500 S2 D - Sulfide, Total
Sample OUTFALL-001 (280-205572-1) was analyzed for Sulfide, Total. The sample was analyzed on 4/14/2025.

The initial calibration verification (ICV) result for batch 280-691588 was above the upper control limit. The affected analytes are: Sulfide. Sample results were non-detects, and have been reported as qualified data.

Method SM4500 S2 H - Unionized Hydrogen Sulfide
Sample OUTFALL-001 (280-205572-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 4/11/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Client Sample ID: OUTFALL-001 — Lab Sample ID: 280-205572-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.2		0.50	0.20	ng/L	1		1631E	Total/NA
Zinc	15		10	5.0	ug/L	1		200.8	Total Recoverable
Zinc	16		10	5.0	ug/L	1		200.8	Potentially Dissolved
Specific Conductance	230		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.3	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Field pH	8.1		1.0	1.0	SU	1		SM4500 S2 H	Total/NA
Field Temperature	21		1.0	1.0	Celsius	1		SM4500 S2 H	Total/NA
Specific Conductance	230		2.0	2.0	umhos/cm	1		SM4500 S2 H	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	EET PEN
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
SM 3500 CR B	Chromium, Hexavalent	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
SM 4500 S2 D	Sulfide, Total	SM	EET DEN
SM3500 CR B	Chromium, Trivalent	SM	EET DEN
SM4500 S2 H	Unionized Hydrogen Sulfide	SM	EET DEN
1631E	Preparation, Mercury, Low Level	EPA	EET PEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN
FILTRATION	Sample Filtration	None	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-205572-1	OUTFALL-001	Water	04/08/25 13:00	04/08/25 15:00

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.2**		0.50	0.20	ng/L		04/11/25 14:35	04/14/25 11:33	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		04/09/25 08:46	04/09/25 16:58	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		04/09/25 08:46	04/09/25 21:03	1
Cadmium	ND		1.0	0.25	ug/L		04/09/25 08:46	04/09/25 21:03	1
Chromium	ND		3.0	1.0	ug/L		04/09/25 08:46	04/09/25 21:03	1
Copper	ND		2.0	1.0	ug/L		04/09/25 08:46	04/09/25 21:03	1
Lead	ND		1.0	0.50	ug/L		04/09/25 08:46	04/09/25 21:03	1
Zinc	**15**		10	5.0	ug/L		04/09/25 08:46	04/09/25 21:03	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:17	1
Cadmium	ND		1.0	0.25	ug/L		04/10/25 09:28	04/10/25 16:17	1
Chromium	ND		3.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:17	1
Copper	ND		2.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:17	1
Lead	ND		1.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:17	1
Manganese	ND		3.0	1.5	ug/L		04/10/25 09:28	04/10/25 16:17	1
Nickel	ND		3.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:17	1
Selenium	ND		2.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:17	1
Silver	ND		0.50	0.25	ug/L		04/10/25 09:28	04/10/25 16:17	1
Zinc	**16**		10	5.0	ug/L		04/10/25 09:28	04/10/25 16:17	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/09/25 11:08	04/09/25 16:39	1

General Chemistry

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	**230**		2.0	2.0	umhos/cm			04/10/25 13:34	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			04/09/25 09:22	1
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			04/09/25 10:38	1
pH adj. to 25 deg C (SM 4500 H+ B	**8.1**	**HF**	0.1	0.1	SU			04/11/25 16:51	1
Temperature (SM 4500 H+ B)	**21.3**	**HF**	1.0	1.0	Degrees C			04/11/25 16:51	1
Sulfide (SM 4500 S2 D)	ND	^1+	0.050	0.035	mg/L			04/14/25 19:37	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			04/11/25 14:13	1
Field pH (SM4500 S2 H)	**8.1**		1.0	1.0	SU			04/11/25 14:13	1
Field Temperature (SM4500 S2 H)	**21**		1.0	1.0	Celsius			04/11/25 14:13	1
Specific Conductance (SM4500 S2 H)	**230**		2.0	2.0	umhos/cm			04/11/25 14:13	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			04/11/25 14:13	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L			04/11/25 10:22	1

General Chemistry - Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SM 3500 CR B)	ND	*+	20	5.0	ug/L			04/08/25 16:29	1

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (dissolved) (SM3500 CR B)	ND		3.0	3.0	ug/L			04/11/25 10:22	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 400-705566/3-A
Matrix: Water
Analysis Batch: 705673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.20	ng/L		04/11/25 16:00	04/14/25 10:40	1

Lab Sample ID: LCS 400-705566/4-A
Matrix: Water
Analysis Batch: 705673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.47		ng/L		89	79 - 121

Lab Sample ID: LCSD 400-705566/5-A
Matrix: Water
Analysis Batch: 705673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705566

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.55		ng/L		91	79 - 121	2	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-690802/1-A
Matrix: Water
Analysis Batch: 691073

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		04/09/25 08:46	04/09/25 16:37	1

Lab Sample ID: LCS 280-690802/2-A
Matrix: Water
Analysis Batch: 691073

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	10300		ug/L		103	85 - 115

Lab Sample ID: 280-205572-1 MS
Matrix: Water
Analysis Batch: 691073

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		10000	10100		ug/L		101	75 - 125

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 691073

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		10000	10200		ug/L		102	75 - 125	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-690802/1-A
Matrix: Water
Analysis Batch: 691023

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		04/09/25 08:46	04/09/25 20:56	1
Cadmium	ND		1.0	0.25	ug/L		04/09/25 08:46	04/09/25 20:56	1
Chromium	ND		3.0	1.0	ug/L		04/09/25 08:46	04/09/25 20:56	1
Copper	ND		2.0	1.0	ug/L		04/09/25 08:46	04/09/25 20:56	1
Lead	ND		1.0	0.50	ug/L		04/09/25 08:46	04/09/25 20:56	1
Zinc	ND		10	5.0	ug/L		04/09/25 08:46	04/09/25 20:56	1

Lab Sample ID: LCS 280-690802/16-A
Matrix: Water
Analysis Batch: 691023

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.8		ug/L		102	89 - 111
Cadmium	40.0	40.8		ug/L		102	89 - 111
Chromium	40.0	38.6		ug/L		96	86 - 115
Copper	40.0	39.4		ug/L		99	90 - 115
Lead	40.0	41.2		ug/L		103	88 - 115
Zinc	40.0	38.8		ug/L		97	88 - 115

Lab Sample ID: 280-205572-1 MS
Matrix: Water
Analysis Batch: 691023

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		40.0	38.3		ug/L		96	79 - 120
Cadmium	ND		40.0	38.9		ug/L		97	89 - 111
Chromium	ND		40.0	37.0		ug/L		93	86 - 115
Copper	ND		40.0	39.5		ug/L		99	90 - 115
Lead	ND		40.0	41.3		ug/L		103	88 - 115
Zinc	15		40.0	50.9		ug/L		89	88 - 115

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 691023

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 690802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		40.0	40.0		ug/L		100	79 - 120	4	20
Cadmium	ND		40.0	40.7		ug/L		102	89 - 111	5	20
Chromium	ND		40.0	36.8		ug/L		92	86 - 115	1	20
Copper	ND		40.0	39.6		ug/L		99	90 - 115	0	20
Lead	ND		40.0	40.9		ug/L		102	88 - 115	1	20
Zinc	15		40.0	57.4		ug/L		105	88 - 115	12	20

Lab Sample ID: MB 280-691053/1-B
Matrix: Water
Analysis Batch: 691175

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:10	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 280-691053/1-B
Matrix: Water
Analysis Batch: 691175

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		04/10/25 09:28	04/10/25 16:10	1
Chromium	ND		3.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:10	1
Copper	ND		2.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:10	1
Lead	ND		1.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:10	1
Manganese	ND		3.0	1.5	ug/L		04/10/25 09:28	04/10/25 16:10	1
Nickel	ND		3.0	1.0	ug/L		04/10/25 09:28	04/10/25 16:10	1
Selenium	ND		2.0	0.50	ug/L		04/10/25 09:28	04/10/25 16:10	1
Silver	ND		0.50	0.25	ug/L		04/10/25 09:28	04/10/25 16:10	1
Zinc	ND		10	5.0	ug/L		04/10/25 09:28	04/10/25 16:10	1

Lab Sample ID: LCS 280-691053/2-B
Matrix: Water
Analysis Batch: 691175

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.6		ug/L		102	89 - 111
Cadmium	40.0	39.6		ug/L		99	89 - 111
Chromium	40.0	38.8		ug/L		97	86 - 115
Copper	40.0	41.2		ug/L		103	90 - 115
Lead	40.0	39.1		ug/L		98	88 - 115
Manganese	40.0	37.5		ug/L		94	87 - 115
Nickel	40.0	39.8		ug/L		100	86 - 115
Selenium	40.0	39.1		ug/L		98	85 - 114
Silver	40.0	38.8		ug/L		97	90 - 114
Zinc	40.0	37.7		ug/L		94	88 - 115

Lab Sample ID: 280-205572-1 MS
Matrix: Water
Analysis Batch: 691175

Client Sample ID: OUTFALL-001
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		40.0	40.3		ug/L		101	79 - 120
Cadmium	ND		40.0	41.2		ug/L		103	89 - 111
Chromium	ND		40.0	38.6		ug/L		96	86 - 115
Copper	ND		40.0	40.0		ug/L		100	90 - 115
Lead	ND		40.0	40.2		ug/L		100	88 - 115
Manganese	ND		40.0	36.4		ug/L		91	87 - 115
Nickel	ND		40.0	38.8		ug/L		97	86 - 115
Selenium	ND		40.0	39.0		ug/L		98	85 - 114
Silver	ND		40.0	39.3		ug/L		98	70 - 130
Zinc	16		40.0	55.3		ug/L		97	88 - 115

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 691175

Client Sample ID: OUTFALL-001
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		40.0	39.6		ug/L		99	79 - 120	2	20
Cadmium	ND		40.0	39.1		ug/L		98	89 - 111	5	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 691175

Client Sample ID: OUTFALL-001
Prep Type: Potentially Dissolved
Prep Batch: 691054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		40.0	37.6		ug/L		94	86 - 115	3	20
Copper	ND		40.0	40.1		ug/L		100	90 - 115	0	20
Lead	ND		40.0	39.8		ug/L		99	88 - 115	1	20
Manganese	ND		40.0	38.0		ug/L		95	87 - 115	4	20
Nickel	ND		40.0	37.4		ug/L		94	86 - 115	4	20
Selenium	ND		40.0	37.9		ug/L		95	85 - 114	3	20
Silver	ND		40.0	38.4		ug/L		96	70 - 130	3	20
Zinc	16		40.0	54.5		ug/L		95	88 - 115	1	20

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-690863/1-A
Matrix: Water
Analysis Batch: 691009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		04/09/25 11:08	04/09/25 16:32	1

Lab Sample ID: LCS 280-690863/2-A
Matrix: Water
Analysis Batch: 691009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.20		ug/L		104	85 - 115

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 280-690947/3
Matrix: Water
Analysis Batch: 690947

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1410		umhos/cm		100	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-690877/1
Matrix: Water
Analysis Batch: 690877

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.5	mg/L			04/09/25 09:22	1

Lab Sample ID: LCS 280-690877/2
Matrix: Water
Analysis Batch: 690877

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	503	469		mg/L		93	80 - 114

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-690905/10
Matrix: Water
Analysis Batch: 690905

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	9.78	J	20	5.0	ug/L			04/09/25 10:38	1

Lab Sample ID: LCS 280-690905/8
Matrix: Water
Analysis Batch: 690905

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	100	108		ug/L		108	85 - 115

Lab Sample ID: LCSD 280-690905/9
Matrix: Water
Analysis Batch: 690905

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	100	108		ug/L		108	85 - 115	0	20

Lab Sample ID: 280-205572-1 MS
Matrix: Water
Analysis Batch: 690905

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		100	111		ug/L		111	85 - 115

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 690905

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	115		ug/L		115	85 - 115	4	20

Lab Sample ID: 280-205572-1 DU
Matrix: Water
Analysis Batch: 690905

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		ug/L		NC	20

Lab Sample ID: MB 280-690788/3-A
Matrix: Water
Analysis Batch: 690800

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	5.0	ug/L			04/08/25 16:29	1

Lab Sample ID: LCS 280-690788/1-A
Matrix: Water
Analysis Batch: 690800

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	100	116	*+	ug/L		116	85 - 115

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: LCSD 280-690788/2-A
Matrix: Water
Analysis Batch: 690800

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			100	103		ug/L		103	85 - 115	12	20

Lab Sample ID: 280-205572-1 MS
Matrix: Water
Analysis Batch: 690800

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND	*+	100	102		ug/L		102	85 - 115		

Lab Sample ID: 280-205572-1 MSD
Matrix: Water
Analysis Batch: 690800

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND	*+	100	103		ug/L		103	85 - 115	1	20

Lab Sample ID: 280-205572-1 DU
Matrix: Water
Analysis Batch: 690800

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chromium, hexavalent	ND	*+		ND	*+	ug/L				NC	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-691390/28
Matrix: Water
Analysis Batch: 691390

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH adj. to 25 deg C			7.02	7.0		SU		100	99 - 101		

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-691588/11
Matrix: Water
Analysis Batch: 691588

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	^1+	0.050	0.035	mg/L			04/14/25 19:35	1

Lab Sample ID: LCS 280-691588/9
Matrix: Water
Analysis Batch: 691588

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.501	0.591	^1+	mg/L		118	81 - 122		

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCSD 280-691588/10
Matrix: Water
Analysis Batch: 691588

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			0.501	0.581	^1+	mg/L		116	81 - 122	2	10

Metals

Prep Batch: 690802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total Recoverable	Water	200.7	
280-205572-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-690802/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-690802/16-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-690802/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
280-205572-1 MS	OUTFALL-001	Total Recoverable	Water	200.7	
280-205572-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	
280-205572-1 MSD	OUTFALL-001	Total Recoverable	Water	200.7	
280-205572-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	

Prep Batch: 690863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-690863/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-690863/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 691009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	245.1	690863
MB 280-690863/1-A	Method Blank	Total/NA	Water	245.1	690863
LCS 280-690863/2-A	Lab Control Sample	Total/NA	Water	245.1	690863

Analysis Batch: 691023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total Recoverable	Water	200.8	690802
MB 280-690802/1-A	Method Blank	Total Recoverable	Water	200.8	690802
LCS 280-690802/16-A	Lab Control Sample	Total Recoverable	Water	200.8	690802
280-205572-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	690802
280-205572-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	690802

Filtration Batch: 691053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	
MB 280-691053/1-B	Method Blank	Potentially Dissolvec	Water	Poten_Diss_Met	
LCS 280-691053/2-B	Lab Control Sample	Potentially Dissolvec	Water	Poten_Diss_Met	
280-205572-1 MS	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	
280-205572-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	

Prep Batch: 691054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	691053
MB 280-691053/1-B	Method Blank	Potentially Dissolvec	Water	200.8	691053
LCS 280-691053/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	691053
280-205572-1 MS	OUTFALL-001	Potentially Dissolvec	Water	200.8	691053
280-205572-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	200.8	691053

Analysis Batch: 691073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	690802
MB 280-690802/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	690802
LCS 280-690802/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	690802

Metals (Continued)

Analysis Batch: 691073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1 MS	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	690802
280-205572-1 MSD	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	690802

Analysis Batch: 691175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	691054
MB 280-691053/1-B	Method Blank	Potentially Dissolvec	Water	200.8	691054
LCS 280-691053/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	691054
280-205572-1 MS	OUTFALL-001	Potentially Dissolvec	Water	200.8	691054
280-205572-1 MSD	OUTFALL-001	Potentially Dissolvec	Water	200.8	691054

Prep Batch: 705566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	1631E	
MB 400-705566/3-A	Method Blank	Total/NA	Water	1631E	
LCS 400-705566/4-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-705566/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 705673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	1631E	705566
MB 400-705566/3-A	Method Blank	Total/NA	Water	1631E	705566
LCS 400-705566/4-A	Lab Control Sample	Total/NA	Water	1631E	705566
LCSD 400-705566/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	705566

General Chemistry

Filtration Batch: 690788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Dissolved	Water	FILTRATION	
MB 280-690788/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-690788/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-690788/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-205572-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-205572-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-205572-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 690800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	690788
MB 280-690788/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	690788
LCS 280-690788/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	690788
LCSD 280-690788/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	690788
280-205572-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	690788
280-205572-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	690788
280-205572-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	690788

Analysis Batch: 690877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-690877/1	Method Blank	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 690877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-690877/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 690905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
MB 280-690905/10	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 280-690905/8	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 280-690905/9	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
280-205572-1 MS	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-205572-1 MSD	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-205572-1 DU	OUTFALL-001	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 690947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM 2510B	
LCS 280-690947/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 691264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Potentially Dissolvec	Water	SM3500 CR B	
280-205572-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Analysis Batch: 691328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	

Analysis Batch: 691390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-691390/28	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 691588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-205572-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-691588/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-691588/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-691588/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Client Sample ID: OUTFALL-001

Date Collected: 04/08/25 13:00
Date Received: 04/08/25 15:00

Lab Sample ID: 280-205572-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			40 mL	40 mL	705566	04/11/25 14:35	VLC	EET PEN
							Completed:	04/14/25 08:50 [1]		
Total/NA	Analysis	1631E		1			705673	04/14/25 11:33	VLC	EET PEN
Total Recoverable	Prep	200.7			50 mL	50 mL	690802	04/09/25 08:46	SMK	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			691073	04/09/25 16:58	ADL	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			150 mL	150 mL	691053	04/10/25 09:08	RMS	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	691054	04/10/25 09:28	RMS	EET DEN
Potentially Dissolvec	Analysis	200.8		1			691175	04/10/25 16:17	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	690802	04/09/25 08:46	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			691023	04/09/25 21:03	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	690863	04/09/25 11:08	AES	EET DEN
Total/NA	Analysis	245.1		1			691009	04/09/25 16:39	AES	EET DEN
Total/NA	Analysis	SM 2510B		1			690947	04/10/25 13:34	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	690877	04/09/25 09:22	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	690788	04/08/25 15:54	AKF	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	690800	04/08/25 16:29	AKF	EET DEN
Total/NA	Analysis	SM 3500 CR B		1	2 mL	2 mL	690905	04/09/25 10:38	AKF	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			691390	04/11/25 16:51	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	691588	04/14/25 19:37	ABW	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			691264	04/11/25 10:22	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			691264	04/11/25 10:22	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			691328	04/11/25 14:13	SAH	EET DEN

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-205572-1

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	Temperature
SM3500 CR B		Water	Chromium, trivalent
SM3500 CR B		Water	Chromium, trivalent (dissolved)
SM4500 S2 H		Water	Field pH
SM4500 S2 H		Water	Field Temperature
SM4500 S2 H		Water	Specific Conductance
SM4500 S2 H		Water	Sulfide
SM4500 S2 H		Water	Un-ionized Hydrogen Sulfide

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Eurofins TestAmerica, Denver

4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: John Rinko	Sampler: Karen Lopez	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):
Company: Grand Island Resources	Phone: 720 649 7722	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:		COC No:
City: Lakewood	TAT Requested (days):		Page:
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No		Job #:
Phone: (303) 601-9230	PO #:		
Email: johnrinko@yahoo.com	WO #:		
Project Name: Nederland, CO	Project #: 28022821		
Site: First half of the month event + quarterly LL Hg	SSOW#:	PWSID:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2510B - Specific Conductance, 2540D - TSS, SM4500_H+ - pH / Temp	3500_CR_B - Total Cr6+, 3500_CR_B - Diss. Cr6+ (LAB FILTER), TR Cr 3+ (calc), & PD Cr 3+ (calc)	SM4500_S2_D - Sulfide and SM3500_S2_H - Unionized Hydrogen Sulfide (calc)	1631E - Low Level Mercury (ETA Pensacola)	200.8 - Potentially Dissolved Metals (First half of the month permit list)	200.7 / 200.8 / 245.1 - Total Recoverable Metals and Mercury (First half of the month permit list)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	CB	N	D	D		
OUTFALL-001	04/08/25	13:00	G	W	N	N	X	X	X	X	X	X	8	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Special Instructions/Note:

*First half of the month potentially dissolved metals permit list = 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn)

*First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As, Cd, Cr, Cu, Pb, Zn), and 245.1 (Hg)

Lab - log both 3500 CR B Hexavalent Chromium method chains

Temp = 9°C
pH = 7.9
Observed Oil sheen?
Yes / No (circle) — No circled
If oil sheen observed in discharge, sampling for oil & grease required.

280-205572 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☑ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Karen Lopez	04/08/25 15:00	GIR		04-08-25 1500	EETDEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.2 [illegible]

Ver: 01/16/2019

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s): N/A	COC No: 280-740507.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin: Colorado	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Oregon		Job #: 280-205572-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 4/17/2025	**Analysis Requested**		**Preservation Codes:** -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nederland, CO	Project #: 28022821			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631E/1631E_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
OUTFALL-001 (280-205572-1)	4/8/25	13:00 Mountain	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Natalie Camesco	4-9-25 14:53	cetdlr			
			[signature]	4-10-25 9:20	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.2 2 IR 10

Ver: 10/10/2024


eurofins
Environment Testing
TestAmerica
Part # 59469-434.MTW EXP 11/25
ORIGIN ID:WHHA (303) 736-0100
BOTTLE PREP
EUROFINS TESTAMERICA DENVER
4955 YARROW ST
ARVADA, CO 80002
UNITED STATES US
SHIP DATE: 09APR25
ACTWGT: 7.70 LB
CAD: 290884/CAFE3855
BILL SENDER
TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTH
3355 MCLEMORE DRIVE
PENSACOLA FL 32514
(860) 474-1001
PO: YES
REF: S280-149646
DEPT: BOTTLE PREP
0.2°C
FedEx
Express
TRK#
0201
4230 642
PRIORITY OVERNIGHT
574-3082FL
APR 10:30A
XH PNSA
32514
FL-US
BFM

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-205572-1

Login Number: 205572
List Number: 1
Creator: Held, Wesley

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-205572-1

Login Number: 205572
List Number: 2
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola
List Creation: 04/11/25 07:25 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 5/6/2025 9:54:06 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-206597-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

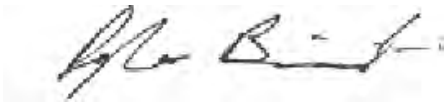
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Dylan Bieniulis, Project Manager I
Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 280-206597-1 — Eurofins Denver

Job Narrative
280-206597-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 4/24/2025 1:21 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL 001 (280-206597-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 4/28/2025 and analyzed on 5/2/2025 and 5/4/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL 001 (280-206597-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 4/25/2025 and analyzed on 4/27/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 280-206597-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.2	J	2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	0.70	J	1.0	0.50	ug/L	1		200.8	Total Recoverable
Copper	1.1	J	2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	0.94	J	1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Zinc	25		10	5.0	ug/L	1		200.8	Potentially Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-206597-1	OUTFALL 001	Water	04/24/25 10:00	04/24/25 13:21

Client Sample Results

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL 001
Date Collected: 04/24/25 10:00
Date Received: 04/24/25 13:21

Lab Sample ID: 280-206597-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**1.2**	**J**	2.0	1.0	ug/L		04/25/25 15:24	04/27/25 13:06	1
Lead	**0.70**	**J**	1.0	0.50	ug/L		04/25/25 15:24	04/27/25 13:06	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL 001
Date Collected: 04/24/25 10:00
Date Received: 04/24/25 13:21

Lab Sample ID: 280-206597-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		04/28/25 08:31	05/02/25 17:41	1
Copper	**1.1**	**J**	2.0	1.0	ug/L		04/28/25 08:31	05/04/25 13:34	1
Lead	**0.94**	**J**	1.0	0.50	ug/L		04/28/25 08:31	05/02/25 17:41	1
Silver	ND		0.50	0.25	ug/L		04/28/25 08:31	05/02/25 17:41	1
Zinc	**25**		10	5.0	ug/L		04/28/25 08:31	05/02/25 17:41	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-693218/1-A
Matrix: Water
Analysis Batch: 693499

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 693218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		04/25/25 15:24	04/27/25 11:56	1
Lead	ND		1.0	0.50	ug/L		04/25/25 15:24	04/27/25 11:56	1

Lab Sample ID: LCS 280-693218/2-A
Matrix: Water
Analysis Batch: 693499

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 693218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	41.3		ug/L		103	90 - 115
Lead	40.0	40.0		ug/L		100	88 - 115

Lab Sample ID: MB 280-693252/1-B
Matrix: Water
Analysis Batch: 694406

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 693254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		04/28/25 08:31	05/02/25 17:20	1
Lead	ND		1.0	0.50	ug/L		04/28/25 08:31	05/02/25 17:20	1
Silver	ND		0.50	0.25	ug/L		04/28/25 08:31	05/02/25 17:20	1
Zinc	ND		10	5.0	ug/L		04/28/25 08:31	05/02/25 17:20	1

Lab Sample ID: MB 280-693252/1-B
Matrix: Water
Analysis Batch: 694443

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 693254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		04/28/25 08:31	05/04/25 13:02	1

Lab Sample ID: LCS 280-693252/2-B
Matrix: Water
Analysis Batch: 694406

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 693254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	40.0	40.9		ug/L		102	89 - 111
Copper	40.0	42.4		ug/L		106	90 - 115
Lead	40.0	38.8		ug/L		97	88 - 115
Silver	40.0	40.2		ug/L		101	90 - 114
Zinc	40.0	41.4		ug/L		104	88 - 115

Lab Sample ID: LCS 280-693252/2-B
Matrix: Water
Analysis Batch: 694443

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 693254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	40.5		ug/L		101	90 - 115

QC Association Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Metals

Prep Batch: 693218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Total Recoverable	Water	200.8	
MB 280-693218/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-693218/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Filtration Batch: 693252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-693252/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-693252/2-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Prep Batch: 693254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	693429
MB 280-693252/1-B	Method Blank	Potentially Dissolvec	Water	200.8	693252
LCS 280-693252/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	693252

Filtration Batch: 693429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Potentially Dissolvec	Water	Poten_Diss_Met	

Analysis Batch: 693499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Total Recoverable	Water	200.8	693218
MB 280-693218/1-A	Method Blank	Total Recoverable	Water	200.8	693218
LCS 280-693218/2-A	Lab Control Sample	Total Recoverable	Water	200.8	693218

Analysis Batch: 694406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	693254
MB 280-693252/1-B	Method Blank	Potentially Dissolvec	Water	200.8	693254
LCS 280-693252/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	693254

Analysis Batch: 694443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206597-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	693254
MB 280-693252/1-B	Method Blank	Potentially Dissolvec	Water	200.8	693254
LCS 280-693252/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	693254

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Client Sample ID: OUTFALL 001

Date Collected: 04/24/25 10:00
Date Received: 04/24/25 13:21

Lab Sample ID: 280-206597-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Potentially Dissolvec	Filtration	Poten_Diss_Met			150 mL	150 mL	693429	04/25/25 18:45	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	693254	04/28/25 08:31	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			694406	05/02/25 17:41	LMT	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			150 mL	150 mL	693429	04/25/25 18:45	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	693254	04/28/25 08:31	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			694443	05/04/25 13:34	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	693218	04/25/25 15:24	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			693499	04/27/25 13:06	LMT	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-206597-1

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone: (303) 601-9230	PO #:			
Email: johnrinko@yahoo.com	WO #:			
Project Name: Nederland, CO	Project #: 28022821			
Site: second half of the month event	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Potentially Dissolved Metals (Second half of the month permit list)	200.8 - Total Recoverable Metals (Second half of the month permit list)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
OUTFALL 001	4/24/25	10:00	G	W	N		X	X		*Second half of the month potentially dissolved metals permit list = 200.8 (Cd, Cu, Pb, Ag, Zn)
										*Second half of the month total recoverable metals permit list = 200.8 (Cu, Pb)
										pH = 7.9 temp = 7.5 °C
										NO VISIBLE SHEEN OR FLOATING OILOBS. no labels provided

280-206597 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Brooke McCarr	4/24/25 11:05			4/24/25 11:05	
2		4/24/25 11:21			4/24/25 1321	EET DEN
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.1 IR Gun CF +0.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-206597-1

Login Number: 206597
List Number: 1
Creator: Held, Wesley

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 5/22/2025 9:28:12 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-207557-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

myEOL

Job Notes

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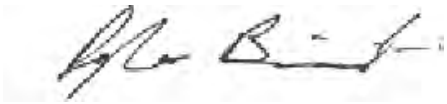

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Authorized for release by
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Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-207557-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 5/14/2025 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.0°C.

Receipt Exceptions
The following sample was received at the laboratory outside the required temperature criteria: OUTFALL 001 (280-207557-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Method 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable
Sample OUTFALL 001 (280-207557-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared and analyzed on 5/19/2025.

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL 001 (280-207557-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 5/16/2025 and analyzed on 5/17/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL 001 (280-207557-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared and analyzed on 5/19/2025.

Method 245.1 - Mercury (CVAA)
Sample OUTFALL 001 (280-207557-1) was analyzed for Mercury (CVAA). The sample was prepared on 5/20/2025 and analyzed on 5/15/2025 and 5/21/2025.

Method SM 2510B - Conductivity, Specific Conductance
Sample OUTFALL 001 (280-207557-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 5/16/2025.

Method SM 2540D - Solids, Total Suspended (TSS)
Sample OUTFALL 001 (280-207557-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 5/15/2025.

Method SM 3500 CR B - Chromium, Hexavalent

Job ID: 280-207557-1 (Continued) Eurofins Denver

Sample OUTFALL 001 (280-207557-1) was analyzed for Chromium, Hexavalent. The sample was analyzed on 5/15/2025.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved
Sample OUTFALL 001 (280-207557-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 5/15/2025.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved
Sample OUTFALL 001 (280-207557-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 5/21/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable
Sample OUTFALL 001 (280-207557-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 5/21/2025.

Method SM 4500 H+ B - pH
Sample OUTFALL 001 (280-207557-1) was analyzed for pH. The sample was analyzed on 5/19/2025.

Sample did not equilibrate to within 0.05 pH units after three measurements. This was observed in a previous analysis thus the sample was not rerun: OUTFALL 001 (280-207557-1).

Method SM 4500 S2 D - Sulfide, Total
Sample OUTFALL 001 (280-207557-1) was analyzed for Sulfide, Total. The sample was analyzed on 5/15/2025.

Method SM4500 S2 H - Unionized Hydrogen Sulfide
Sample OUTFALL 001 (280-207557-1) was analyzed for Unionized Hydrogen Sulfide. The sample was analyzed on 5/16/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Client Sample ID: OUTFALL 001 — Lab Sample ID: 280-207557-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	44	J	100	40	ug/L	1		200.7 Rev 4.4	Total Recoverable
Copper	2.9		2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	1.1		1.0	0.50	ug/L	1		200.8	Total Recoverable
Zinc	29		10	5.0	ug/L	1		200.8	Total Recoverable
Copper	2.3		2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	1.1		1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Zinc	33		10	5.0	ug/L	1		200.8	Potentially Dissolved
Specific Conductance	190		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
pH adj. to 25 deg C	7.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	19.8	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Field pH	7.2		1.0	1.0	SU	1		SM4500 S2 H	Total/NA
Field Temperature	20		1.0	1.0	Celsius	1		SM4500 S2 H	Total/NA
Specific Conductance	190		2.0	2.0	umhos/cm	1		SM4500 S2 H	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
SM 3500 CR B	Chromium, Hexavalent	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
SM 4500 S2 D	Sulfide, Total	SM	EET DEN
SM3500 CR B	Chromium, Trivalent	SM	EET DEN
SM4500 S2 H	Unionized Hydrogen Sulfide	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN
FILTRATION	Sample Filtration	None	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-207557-1	OUTFALL 001	Water	05/14/25 12:00	05/14/25 15:50

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**44**	**J**	100	40	ug/L		05/19/25 09:38	05/19/25 20:34	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		05/19/25 09:38	05/19/25 22:47	1
Cadmium	ND		1.0	0.25	ug/L		05/19/25 09:38	05/19/25 22:47	1
Chromium	ND		3.0	1.0	ug/L		05/19/25 09:38	05/19/25 22:47	1
Copper	**2.9**		2.0	1.0	ug/L		05/19/25 09:38	05/19/25 22:47	1
Lead	**1.1**		1.0	0.50	ug/L		05/19/25 09:38	05/19/25 22:47	1
Zinc	**29**		10	5.0	ug/L		05/19/25 09:38	05/19/25 22:47	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:24	1
Cadmium	ND		1.0	0.25	ug/L		05/16/25 15:44	05/17/25 10:24	1
Chromium	ND		3.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:24	1
Copper	**2.3**		2.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:24	1
Lead	**1.1**		1.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:24	1
Manganese	ND		3.0	1.5	ug/L		05/16/25 15:44	05/17/25 10:24	1
Nickel	ND		3.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:24	1
Selenium	ND		2.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:24	1
Silver	ND		0.50	0.25	ug/L		05/16/25 15:44	05/17/25 10:24	1
Zinc	**33**		10	5.0	ug/L		05/16/25 15:44	05/17/25 10:24	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		05/20/25 15:34	05/21/25 17:20	1

General Chemistry

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	**190**		2.0	2.0	umhos/cm			05/16/25 13:01	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			05/15/25 12:54	1
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			05/15/25 09:36	1
pH adj. to 25 deg C (SM 4500 H+ B	**7.2**	**HF**	0.1	0.1	SU			05/19/25 16:50	1
Temperature (SM 4500 H+ B)	**19.8**	**HF**	1.0	1.0	Degrees C			05/19/25 16:50	1

General Chemistry (Continued)

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 D)	ND		0.050	0.035	mg/L			05/15/25 13:33	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			05/16/25 02:16	1
Field pH (SM4500 S2 H)	**7.2**		1.0	1.0	SU			05/16/25 02:16	1
Field Temperature (SM4500 S2 H)	**20**		1.0	1.0	Celsius			05/16/25 02:16	1
Specific Conductance (SM4500 S2 H)	**190**		2.0	2.0	umhos/cm			05/16/25 02:16	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			05/16/25 02:16	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L			05/21/25 10:57	1

General Chemistry - Dissolved

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			05/15/25 09:40	1

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL 001
Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (dissolved) (SM3500 CR B)	ND		3.0	3.0	ug/L			05/21/25 10:57	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-696245/1-A
Matrix: Water
Analysis Batch: 696648

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 696245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		05/19/25 09:38	05/19/25 19:14	1

Lab Sample ID: LCS 280-696245/2-A
Matrix: Water
Analysis Batch: 696648

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 696245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	9580		ug/L		96	85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-696245/1-A
Matrix: Water
Analysis Batch: 696641

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 696245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		05/19/25 09:38	05/19/25 22:03	1
Cadmium	ND		1.0	0.25	ug/L		05/19/25 09:38	05/19/25 22:03	1
Chromium	ND		3.0	1.0	ug/L		05/19/25 09:38	05/19/25 22:03	1
Copper	ND		2.0	1.0	ug/L		05/19/25 09:38	05/19/25 22:03	1
Lead	ND		1.0	0.50	ug/L		05/19/25 09:38	05/19/25 22:03	1
Zinc	ND		10	5.0	ug/L		05/19/25 09:38	05/19/25 22:03	1

Lab Sample ID: LCS 280-696245/27-A
Matrix: Water
Analysis Batch: 696641

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 696245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	42.6		ug/L		106	89 - 111
Cadmium	40.0	41.5		ug/L		104	89 - 111
Chromium	40.0	43.2		ug/L		108	86 - 115
Copper	40.0	43.7		ug/L		109	90 - 115
Lead	40.0	41.0		ug/L		102	88 - 115
Zinc	40.0	41.8		ug/L		104	88 - 115

Lab Sample ID: MB 280-696299/1-B
Matrix: Water
Analysis Batch: 696423

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 696301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:03	1
Cadmium	ND		1.0	0.25	ug/L		05/16/25 15:44	05/17/25 10:03	1
Chromium	ND		3.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:03	1
Copper	ND		2.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:03	1
Lead	ND		1.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:03	1
Manganese	ND		3.0	1.5	ug/L		05/16/25 15:44	05/17/25 10:03	1
Nickel	ND		3.0	1.0	ug/L		05/16/25 15:44	05/17/25 10:03	1
Selenium	ND		2.0	0.50	ug/L		05/16/25 15:44	05/17/25 10:03	1
Silver	ND		0.50	0.25	ug/L		05/16/25 15:44	05/17/25 10:03	1
Zinc	ND		10	5.0	ug/L		05/16/25 15:44	05/17/25 10:03	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 280-696299/2-B
Matrix: Water
Analysis Batch: 696423

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 696301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	39.7		ug/L		99	89 - 111
Cadmium	40.0	40.9		ug/L		102	89 - 111
Chromium	40.0	40.6		ug/L		102	86 - 115
Copper	40.0	40.6		ug/L		102	90 - 115
Lead	40.0	40.7		ug/L		102	88 - 115
Manganese	40.0	40.9		ug/L		102	87 - 115
Nickel	40.0	40.3		ug/L		101	86 - 115
Selenium	40.0	41.9		ug/L		105	85 - 114
Silver	40.0	40.2		ug/L		100	90 - 114
Zinc	40.0	43.7		ug/L		109	88 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-696566/1-A
Matrix: Water
Analysis Batch: 696991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 696566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		05/20/25 15:34	05/21/25 16:47	1

Lab Sample ID: LCS 280-696566/2-A
Matrix: Water
Analysis Batch: 696991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 696566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.95		ug/L		99	85 - 115

Lab Sample ID: 280-207557-1 MS
Matrix: Water
Analysis Batch: 696991

Client Sample ID: OUTFALL 001
Prep Type: Total/NA
Prep Batch: 696566

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		5.00	5.09		ug/L		102	80 - 120

Lab Sample ID: 280-207557-1 MSD
Matrix: Water
Analysis Batch: 696991

Client Sample ID: OUTFALL 001
Prep Type: Total/NA
Prep Batch: 696566

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		5.00	5.04		ug/L		101	80 - 120	1	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-696265/4
Matrix: Water
Analysis Batch: 696265

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0	2.0	umhos/cm			05/16/25 13:00	1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 280-696265/3
Matrix: Water
Analysis Batch: 696265

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1430		umhos/cm		102	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-696052/1
Matrix: Water
Analysis Batch: 696052

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.5	mg/L			05/15/25 12:54	1
Total Suspended Solids	ND		4.0	1.5	mg/L			05/15/25 12:54	1

Lab Sample ID: LCS 280-696052/2
Matrix: Water
Analysis Batch: 696052

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	501	439		mg/L		88	80 - 114
Total Suspended Solids	501	439		mg/L		88	80 - 114

Lab Sample ID: LCSD 280-696052/3
Matrix: Water
Analysis Batch: 696052

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	501	477		mg/L		95	80 - 114	8	10
Total Suspended Solids	501	477		mg/L		95	80 - 114	8	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-696066/17
Matrix: Water
Analysis Batch: 696066

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	5.0	ug/L			05/15/25 09:36	1

Lab Sample ID: LCS 280-696066/15
Matrix: Water
Analysis Batch: 696066

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	100	104		ug/L		104	85 - 115

Lab Sample ID: LCSD 280-696066/16
Matrix: Water
Analysis Batch: 696066

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	100	104		ug/L		104	85 - 115	0	20

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: 280-207557-1 MS
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		100	107		ug/L		107	85 - 115

Lab Sample ID: 280-207557-1 MSD
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	107		ug/L		107	85 - 115	0	20

Lab Sample ID: 280-207557-1 DU
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		ug/L		NC	20

Lab Sample ID: MB 280-696028/3-A
Matrix: Water
Analysis Batch: 696066

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	5.0	ug/L			05/15/25 09:39	1

Lab Sample ID: LCS 280-696028/1-A
Matrix: Water
Analysis Batch: 696066

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	100	103		ug/L		103	85 - 115

Lab Sample ID: LCSD 280-696028/2-A
Matrix: Water
Analysis Batch: 696066

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	100	105		ug/L		105	85 - 115	2	20

Lab Sample ID: 280-207557-1 MS
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		100	104		ug/L		104	85 - 115

Lab Sample ID: 280-207557-1 MSD
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	105		ug/L		105	85 - 115	1	20

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: 280-207557-1 DU
Matrix: Water
Analysis Batch: 696066

Client Sample ID: OUTFALL 001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chromium, hexavalent	ND			ND		ug/L				NC	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-696689/4
Matrix: Water
Analysis Batch: 696689

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH adj. to 25 deg C			6.99	7.0		SU		100	99 - 101		

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-696069/11
Matrix: Water
Analysis Batch: 696069

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.050	0.035	mg/L			05/15/25 13:28	1

Lab Sample ID: LCS 280-696069/9
Matrix: Water
Analysis Batch: 696069

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.500	0.502		mg/L		100	81 - 122		

Lab Sample ID: LCSD 280-696069/10
Matrix: Water
Analysis Batch: 696069

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			0.500	0.520		mg/L		104	81 - 122	3	10

Metals

Filtration Batch: 696131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Potentially Dissolvec	Water	Poten_Diss_Met	

Prep Batch: 696245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total Recoverable	Water	200.7	
MB 280-696245/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-696245/27-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-696245/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Filtration Batch: 696299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-696299/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-696299/2-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Prep Batch: 696301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	696131
MB 280-696299/1-B	Method Blank	Potentially Dissolvec	Water	200.8	696299
LCS 280-696299/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	696299

Analysis Batch: 696423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	696301
MB 280-696299/1-B	Method Blank	Potentially Dissolvec	Water	200.8	696301
LCS 280-696299/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	696301

Prep Batch: 696566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	245.1	
MB 280-696566/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-696566/2-A	Lab Control Sample	Total/NA	Water	245.1	
280-207557-1 MS	OUTFALL 001	Total/NA	Water	245.1	
280-207557-1 MSD	OUTFALL 001	Total/NA	Water	245.1	

Analysis Batch: 696641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total Recoverable	Water	200.8	696245
MB 280-696245/1-A	Method Blank	Total Recoverable	Water	200.8	696245
LCS 280-696245/27-A	Lab Control Sample	Total Recoverable	Water	200.8	696245

Analysis Batch: 696648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total Recoverable	Water	200.7 Rev 4.4	696245
MB 280-696245/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	696245
LCS 280-696245/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	696245

Analysis Batch: 696991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	245.1	696566
MB 280-696566/1-A	Method Blank	Total/NA	Water	245.1	696566
LCS 280-696566/2-A	Lab Control Sample	Total/NA	Water	245.1	696566

Metals (Continued)

Analysis Batch: 696991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1 MS	OUTFALL 001	Total/NA	Water	245.1	696566
280-207557-1 MSD	OUTFALL 001	Total/NA	Water	245.1	696566

General Chemistry

Filtration Batch: 696028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Dissolved	Water	FILTRATION	
MB 280-696028/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-696028/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-696028/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-207557-1 MS	OUTFALL 001	Dissolved	Water	FILTRATION	
280-207557-1 MSD	OUTFALL 001	Dissolved	Water	FILTRATION	
280-207557-1 DU	OUTFALL 001	Dissolved	Water	FILTRATION	

Analysis Batch: 696052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	SM 2540D	
MB 280-696052/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-696052/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-696052/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 696066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Dissolved	Water	SM 3500 CR B	696028
280-207557-1	OUTFALL 001	Total/NA	Water	SM 3500 CR B	
MB 280-696028/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	696028
MB 280-696066/17	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 280-696028/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	696028
LCS 280-696066/15	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 280-696028/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	696028
LCSD 280-696066/16	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
280-207557-1 MS	OUTFALL 001	Dissolved	Water	SM 3500 CR B	696028
280-207557-1 MS	OUTFALL 001	Total/NA	Water	SM 3500 CR B	
280-207557-1 MSD	OUTFALL 001	Dissolved	Water	SM 3500 CR B	696028
280-207557-1 MSD	OUTFALL 001	Total/NA	Water	SM 3500 CR B	
280-207557-1 DU	OUTFALL 001	Dissolved	Water	SM 3500 CR B	696028
280-207557-1 DU	OUTFALL 001	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 696069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	SM 4500 S2 D	
MB 280-696069/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-696069/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-696069/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 696150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	SM4500 S2 H	

QC Association Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

General Chemistry

Analysis Batch: 696265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	SM 2510B	
MB 280-696265/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-696265/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 696689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Total/NA	Water	SM 4500 H+ B	
LCS 280-696689/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 696876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-207557-1	OUTFALL 001	Potentially Dissolvec	Water	SM3500 CR B	
280-207557-1	OUTFALL 001	Total Recoverable	Water	SM3500 CR B	

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Client Sample ID: OUTFALL 001

Date Collected: 05/14/25 12:00
Date Received: 05/14/25 15:50

Lab Sample ID: 280-207557-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	696245	05/19/25 09:38	AES	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			696648	05/19/25 20:34	ADL	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			200 mL	200 mL	696131	05/15/25 19:13	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	696301	05/16/25 15:44	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			696423	05/17/25 10:24	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	696245	05/19/25 09:38	AES	EET DEN
Total Recoverable	Analysis	200.8		1			696641	05/19/25 22:47	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	696566	05/20/25 15:34	CAF	EET DEN
Total/NA	Analysis	245.1		1			696991	05/21/25 17:20	CAF	EET DEN
Total/NA	Analysis	SM 2510B		1			696265	05/16/25 13:01	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	696052	05/15/25 12:54	BRD	EET DEN
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	696028	05/15/25 09:25	ABW	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	696066	05/15/25 09:40	AKF	EET DEN
Total/NA	Analysis	SM 3500 CR B		1	2 mL	2 mL	696066	05/15/25 09:36	AKF	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			696689	05/19/25 16:50	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	696069	05/15/25 13:33	AKF	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			696876	05/21/25 10:57	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			696876	05/21/25 10:57	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			696150	05/16/25 02:16	P1B	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-207557-1

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	Temperature
SM3500 CR B		Water	Chromium, trivalent
SM3500 CR B		Water	Chromium, trivalent (dissolved)
SM4500 S2 H		Water	Field pH
SM4500 S2 H		Water	Field Temperature
SM4500 S2 H		Water	Specific Conductance
SM4500 S2 H		Water	Sulfide
SM4500 S2 H		Water	Un-ionized Hydrogen Sulfide

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

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Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	PWSID:	Analysis Requested		Job #:

Address: 12567 West Cedar Drive Suite 110	Due Date Requested:
City: Lakewood	TAT Requested (days):
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No
Phone: (303) 601-9230	PO #:
Email: johnrinko@yahoo.com	WO #:
Project Name: Nederland, CO	Project #: 28022821
Site: First half of the month event	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2510B - Specific Conductance, 2540D - TSS, SM4500_H+ - pH / Temp	3500_CR_B - Total Cr6+, 3500_CR_B - Diss. Cr6+ (LAB FILTER), TR Cr 3+ (calc), & PD Cr 3+ (calc)	SM4500_S2_D - Sulfide and SM3500_S2_H - Unionized Hydrogen Sulfide (calc)	200.8 - Potentially Dissolved Metals (First half of the month permit list)	200.7 / 200.8 / 245.1 - Total Recoverable Metals and Mercury (First half of the month permit list)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	CB	D	D		
OUTFALL 001	5/14/25	12:00	G	W			X	X	X	X	X		*First half of the month potentially dissolved metals permit list = 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn)
													*First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As, Cd, Cr, Cu, Pb, Zn), and 245.1 (Hg)
													Lab - log both 3500 CR B Hexavalent Chromium method chains
													pH = 8.0
													temp = 7°C
													NO VISIBLE OIL OR SHEEN

280-207557 Chain of Custody

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☒ *Archive For* 1 *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
B Willam	5/14/25 12:05	GIR	J Brewer	5/14/25 12:07	GIR
Relinquished by: JP Brewer	Date/Time: 5/14/25 15:50	Company GIR	Received by: SB	Date/Time: 5/14/25 15:50	Company ET-DEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: T: 17.9 CF: 0.2 IR: PABJ

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-207557-1

Login Number: 207557
List Number: 1
Creator: Held, Wesley

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 6/5/2025 6:54:58 PM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-208279-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

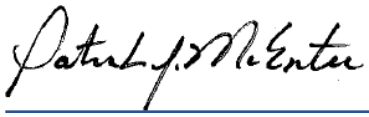
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Patrick McEntee, Client Service Manager
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Designee for
Dylan Bieniulis, Project Manager I
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(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 280-208279-1 — Eurofins Denver

Job Narrative
280-208279-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 5/28/2025 1:39 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL 001 (280-208279-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 5/30/2025 and analyzed on 6/3/2025 and 6/4/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL 001 (280-208279-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 5/29/2025 and analyzed on 5/31/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 280-208279-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2.3		2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	2.7		1.0	0.50	ug/L	1		200.8	Total Recoverable
Cadmium	0.32	J	1.0	0.25	ug/L	1		200.8	Potentially Dissolved
Copper	2.2		2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	2.8		1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Zinc	120		10	5.0	ug/L	1		200.8	Potentially Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-208279-1	OUTFALL 001	Water	05/28/25 11:15	05/28/25 13:39

Client Sample Results

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL 001
Date Collected: 05/28/25 11:15
Date Received: 05/28/25 13:39

Lab Sample ID: 280-208279-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2.3		2.0	1.0	ug/L		05/29/25 15:04	05/31/25 11:06	1
Lead	2.7		1.0	0.50	ug/L		05/29/25 15:04	05/31/25 11:06	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL 001
Date Collected: 05/28/25 11:15
Date Received: 05/28/25 13:39

Lab Sample ID: 280-208279-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.32	J	1.0	0.25	ug/L		05/30/25 08:48	06/03/25 18:57	1
Copper	2.2		2.0	1.0	ug/L		05/30/25 08:48	06/03/25 18:57	1
Lead	2.8		1.0	0.50	ug/L		05/30/25 08:48	06/03/25 18:57	1
Silver	ND		0.50	0.25	ug/L		05/30/25 08:48	06/03/25 18:57	1
Zinc	120		10	5.0	ug/L		05/30/25 08:48	06/04/25 09:21	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-697804/1-A
Matrix: Water
Analysis Batch: 698405

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 697804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		05/29/25 15:04	05/31/25 10:16	1
Lead	ND		1.0	0.50	ug/L		05/29/25 15:04	05/31/25 10:16	1

Lab Sample ID: LCS 280-697804/2-A
Matrix: Water
Analysis Batch: 698405

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 697804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	40.5		ug/L		101	90 - 115
Lead	40.0	39.5		ug/L		99	88 - 115

Lab Sample ID: MB 280-697837/1-B
Matrix: Water
Analysis Batch: 698749

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 697840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		05/30/25 08:48	06/03/25 18:10	1
Copper	ND		2.0	1.0	ug/L		05/30/25 08:48	06/03/25 18:10	1
Lead	ND		1.0	0.50	ug/L		05/30/25 08:48	06/03/25 18:10	1
Silver	ND		0.50	0.25	ug/L		05/30/25 08:48	06/03/25 18:10	1

Lab Sample ID: MB 280-697837/1-B
Matrix: Water
Analysis Batch: 698800

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 697840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		10	5.0	ug/L		05/30/25 08:48	06/04/25 08:44	1

Lab Sample ID: LCS 280-697837/18-B
Matrix: Water
Analysis Batch: 698749

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 697840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	40.0	42.8		ug/L		107	89 - 111
Copper	40.0	41.0		ug/L		103	90 - 115
Lead	40.0	42.1		ug/L		105	88 - 115
Silver	40.0	42.7		ug/L		107	90 - 114

Lab Sample ID: LCS 280-697837/18-B
Matrix: Water
Analysis Batch: 698800

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 697840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	40.0	41.8		ug/L		105	88 - 115

QC Association Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Metals

Prep Batch: 697804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Total Recoverable	Water	200.8	
MB 280-697804/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-697804/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Filtration Batch: 697837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-697837/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-697837/18-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Filtration Batch: 697838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Potentially Dissolvec	Water	Poten_Diss_Met	

Prep Batch: 697840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	697838
MB 280-697837/1-B	Method Blank	Potentially Dissolvec	Water	200.8	697837
LCS 280-697837/18-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	697837

Analysis Batch: 698405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Total Recoverable	Water	200.8	697804
MB 280-697804/1-A	Method Blank	Total Recoverable	Water	200.8	697804
LCS 280-697804/2-A	Lab Control Sample	Total Recoverable	Water	200.8	697804

Analysis Batch: 698749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	697840
MB 280-697837/1-B	Method Blank	Potentially Dissolvec	Water	200.8	697840
LCS 280-697837/18-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	697840

Analysis Batch: 698800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208279-1	OUTFALL 001	Potentially Dissolvec	Water	200.8	697840
MB 280-697837/1-B	Method Blank	Potentially Dissolvec	Water	200.8	697840
LCS 280-697837/18-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	697840

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Client Sample ID: OUTFALL 001

Date Collected: 05/28/25 11:15
Date Received: 05/28/25 13:39

Lab Sample ID: 280-208279-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Potentially Dissolvec	Filtration	Poten_Diss_Met			200 mL	200 mL	697838	05/28/25 20:37	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	697840	05/30/25 08:48	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			698749	06/03/25 18:57	LMT	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			200 mL	200 mL	697838	05/28/25 20:37	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	697840	05/30/25 08:48	SMK	EET DEN
Potentially Dissolvec	Analysis	200.8		1			698800	06/04/25 09:21	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	697804	05/29/25 15:04	SMK	EET DEN
Total Recoverable	Analysis	200.8		1			698405	05/31/25 11:06	LMT	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208279-1

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone: (303) 601-9230	PO #:			
Email: johnrinko@yahoo.com	WO #:			
Project Name: Nederland, CO	Project #: 28022821			
Site: second half of the month event	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Potentially Dissolved Metals (Second half of the month permit list)	200.8 - Total Recoverable Metals (Second half of the month permit list)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
OUTFALL001	5/28/25	11:15	G	W			X	X	2	*Second half of the month potentially dissolved metals permit list = 200.8 (Cd, Cu, Pb, Ag, Zn)
										*Second half of the month total recoverable metals permit list = 200.8 (Cu, Pb)
										pH = 7.5
										temp = 7.3°C
										NO VISIBLE SHEEN OR FLOATING OIL

280-208279 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/28/25 12:00	GIR	SB	5/28/25 13:39	GET-DEN
2		5/28/25 12:12	GIR			
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: T: 5.5 CF: 0.2 IR: PATBU

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-208279-1

Login Number: 208279
List Number: 1
Creator: Held, Wesley

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 6/16/2025 2:16:02 PM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-208826-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

myEOL

Job Notes

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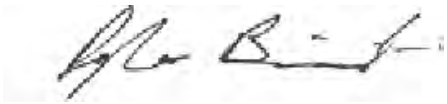
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
Dylan Bieniulis, Project Manager I
Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-208826-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 6/9/2025 3:22 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Method 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable
Sample OUTFALL-001 (280-208826-1) was analyzed for Metals (ICP) - Total Recoverable. The sample was prepared on 6/10/2025 and analyzed on 6/12/2025.

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL-001 (280-208826-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 6/11/2025 and analyzed on 6/12/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL-001 (280-208826-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 6/10/2025 and analyzed on 6/12/2025.

Method 245.1 - Mercury (CVAA)
Sample OUTFALL-001 (280-208826-1) was analyzed for Mercury (CVAA). The sample was prepared on 6/12/2025 and analyzed on 6/13/2025.

Method SM 2510B - Conductivity, Specific Conductance
Sample OUTFALL-001 (280-208826-1) was analyzed for Conductivity, Specific Conductance. The sample was analyzed on 6/11/2025.

Method SM 2540D - Solids, Total Suspended (TSS)
Sample OUTFALL-001 (280-208826-1) was analyzed for Solids, Total Suspended (TSS). The sample was analyzed on 6/10/2025.

Method SM 3500 CR B - Chromium, Hexavalent
Sample OUTFALL-001 (280-208826-1) was analyzed for Chromium, Hexavalent. The sample was analyzed on 6/9/2025.

Method SM 3500 CR B - Chromium, Hexavalent - Dissolved
Sample OUTFALL-001 (280-208826-1) was analyzed for Chromium, Hexavalent - Dissolved. The sample was analyzed on 6/9/2025.

Method SM3500 CR B - Chromium, Trivalent - Potentially Dissolved
Sample OUTFALL-001 (280-208826-1) was analyzed for Chromium, Trivalent - Potentially Dissolved. The sample was analyzed on 6/16/2025.

Method SM3500 CR B - Chromium, Trivalent - Total Recoverable
Sample OUTFALL-001 (280-208826-1) was analyzed for Chromium, Trivalent - Total Recoverable. The sample was analyzed on 6/16/2025.

Method SM 4500 H+ B - pH
Sample OUTFALL-001 (280-208826-1) was analyzed for pH. The sample was analyzed on 6/13/2025.

Method SM 4500 S2 D - Sulfide, Total
Sample OUTFALL-001 (280-208826-1) was analyzed for Sulfide, Total. The sample was analyzed on 6/10/2025.

Method SM4500 S2 H - Unionized Hydrogen Sulfide
Sample OUTFALL-001 (280-208826-1) was analyzed for Unionized Hydrogen Sulfide. The sample was prepared on 6/10/2025 and analyzed on 6/11/2025 and 6/12/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Client Sample ID: OUTFALL-001

Lab Sample ID: 280-208826-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	48	J	100	40	ug/L	1		200.7 Rev 4.4	Total Recoverable
Copper	1.9	J	2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	2.3		1.0	0.50	ug/L	1		200.8	Total Recoverable
Zinc	45		10	5.0	ug/L	1		200.8	Total Recoverable
Copper	1.8	J	2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	2.2		1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Zinc	44		10	5.0	ug/L	1		200.8	Potentially Dissolved
Specific Conductance	160		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
pH adj. to 25 deg C	7.8	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.8	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Field pH	7.8		1.0	1.0	SU	1		SM4500 S2 H	Total/NA
Field Temperature	22		1.0	1.0	Celsius	1		SM4500 S2 H	Total/NA
Specific Conductance	160		2.0	2.0	umhos/cm	1		SM4500 S2 H	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
SM 3500 CR B	Chromium, Hexavalent	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
SM 4500 S2 D	Sulfide, Total	SM	EET DEN
SM3500 CR B	Chromium, Trivalent	SM	EET DEN
SM4500 S2 H	Unionized Hydrogen Sulfide	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN
FILTRATION	Sample Filtration	None	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-208826-1	OUTFALL-001	Water	06/09/25 13:30	06/09/25 15:22

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**48**	**J**	100	40	ug/L		06/10/25 15:19	06/12/25 19:50	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		06/10/25 15:19	06/12/25 01:11	1
Cadmium	ND		1.0	0.25	ug/L		06/10/25 15:19	06/12/25 01:11	1
Chromium	ND		3.0	1.0	ug/L		06/10/25 15:19	06/12/25 01:11	1
Copper	**1.9**	**J**	2.0	1.0	ug/L		06/10/25 15:19	06/12/25 01:11	1
Lead	**2.3**		1.0	0.50	ug/L		06/10/25 15:19	06/12/25 01:11	1
Zinc	**45**		10	5.0	ug/L		06/10/25 15:19	06/12/25 01:11	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		06/11/25 08:23	06/12/25 17:09	1
Cadmium	ND		1.0	0.25	ug/L		06/11/25 08:23	06/12/25 17:09	1
Chromium	ND		3.0	1.0	ug/L		06/11/25 08:23	06/12/25 17:09	1
Copper	**1.8**	**J**	2.0	1.0	ug/L		06/11/25 08:23	06/12/25 17:09	1
Lead	**2.2**		1.0	0.50	ug/L		06/11/25 08:23	06/12/25 17:09	1
Manganese	ND		3.0	1.5	ug/L		06/11/25 08:23	06/12/25 17:09	1
Nickel	ND		3.0	1.0	ug/L		06/11/25 08:23	06/12/25 17:09	1
Selenium	ND		2.0	0.50	ug/L		06/11/25 08:23	06/12/25 17:09	1
Silver	ND		0.50	0.25	ug/L		06/11/25 08:23	06/12/25 17:09	1
Zinc	**44**		10	5.0	ug/L		06/11/25 08:23	06/12/25 17:09	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		06/12/25 18:51	06/13/25 01:33	1

General Chemistry

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	**160**		2.0	2.0	umhos/cm			06/11/25 21:34	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			06/10/25 11:20	1
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			06/09/25 17:34	1
pH adj. to 25 deg C (SM 4500 H+ B	**7.8**	**HF**	0.1	0.1	SU			06/13/25 17:32	1
Temperature (SM 4500 H+ B)	**21.8**	**HF**	1.0	1.0	Degrees C			06/13/25 17:32	1

General Chemistry (Continued)

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 D)	ND		0.050	0.035	mg/L			06/10/25 11:24	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			06/11/25 11:04	1
Field pH (SM4500 S2 H)	**7.8**		1.0	1.0	SU			06/11/25 11:04	1
Field Temperature (SM4500 S2 H)	**22**		1.0	1.0	Celsius			06/11/25 11:04	1
Specific Conductance (SM4500 S2 H)	**160**		2.0	2.0	umhos/cm			06/11/25 11:04	1
Sulfide (SM4500 S2 H)	ND		1.0	1.0	mg/L			06/11/25 11:04	1

General Chemistry - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (SM3500 CR B)	ND		3.0	3.0	ug/L			06/16/25 13:03	1

General Chemistry - Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SM 3500 CR B)	ND		20	5.0	ug/L			06/09/25 17:30	1

General Chemistry - Potentially Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, trivalent (dissolved) (SM3500 CR B)	ND		3.0	3.0	ug/L			06/16/25 13:03	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-699616/1-A
Matrix: Water
Analysis Batch: 700208

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		06/10/25 15:19	06/12/25 19:38	1

Lab Sample ID: LCS 280-699616/2-A
Matrix: Water
Analysis Batch: 700208

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	10100		ug/L		101	85 - 115

Lab Sample ID: 280-208826-1 MS
Matrix: Water
Analysis Batch: 700208

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	48	J	10000	10200		ug/L		101	75 - 125

Lab Sample ID: 280-208826-1 MSD
Matrix: Water
Analysis Batch: 700208

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	48	J	10000	10100		ug/L		101	75 - 125	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-699616/1-A
Matrix: Water
Analysis Batch: 700010

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		06/10/25 15:19	06/12/25 01:00	1
Cadmium	ND		1.0	0.25	ug/L		06/10/25 15:19	06/12/25 01:00	1
Chromium	ND		3.0	1.0	ug/L		06/10/25 15:19	06/12/25 01:00	1
Copper	ND		2.0	1.0	ug/L		06/10/25 15:19	06/12/25 01:00	1
Lead	ND		1.0	0.50	ug/L		06/10/25 15:19	06/12/25 01:00	1
Zinc	ND		10	5.0	ug/L		06/10/25 15:19	06/12/25 01:00	1

Lab Sample ID: LCS 280-699616/16-A
Matrix: Water
Analysis Batch: 700010

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.6		ug/L		101	89 - 111
Cadmium	40.0	40.1		ug/L		100	89 - 111
Chromium	40.0	40.2		ug/L		101	86 - 115
Copper	40.0	41.6		ug/L		104	90 - 115
Lead	40.0	39.4		ug/L		98	88 - 115
Zinc	40.0	44.8		ug/L		112	88 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-208826-1 MS
Matrix: Water
Analysis Batch: 700010

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		40.0	40.0		ug/L		100	79 - 120
Cadmium	ND		40.0	40.1		ug/L		100	89 - 111
Chromium	ND		40.0	39.3		ug/L		98	86 - 115
Copper	1.9	J	40.0	42.2		ug/L		101	90 - 115
Lead	2.3		40.0	42.0		ug/L		99	88 - 115
Zinc	45		40.0	87.7		ug/L		106	88 - 115

Lab Sample ID: 280-208826-1 MSD
Matrix: Water
Analysis Batch: 700010

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 699616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		40.0	40.0		ug/L		100	79 - 120	0	20
Cadmium	ND		40.0	40.8		ug/L		102	89 - 111	1	20
Chromium	ND		40.0	39.7		ug/L		99	86 - 115	1	20
Copper	1.9	J	40.0	41.9		ug/L		100	90 - 115	1	20
Lead	2.3		40.0	41.8		ug/L		99	88 - 115	0	20
Zinc	45		40.0	87.5		ug/L		105	88 - 115	0	20

Lab Sample ID: MB 280-699545/1-B
Matrix: Water
Analysis Batch: 700158

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 699621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.50	ug/L		06/11/25 08:23	06/12/25 16:43	1
Cadmium	ND		1.0	0.25	ug/L		06/11/25 08:23	06/12/25 16:43	1
Chromium	ND		3.0	1.0	ug/L		06/11/25 08:23	06/12/25 16:43	1
Copper	ND		2.0	1.0	ug/L		06/11/25 08:23	06/12/25 16:43	1
Lead	ND		1.0	0.50	ug/L		06/11/25 08:23	06/12/25 16:43	1
Manganese	ND		3.0	1.5	ug/L		06/11/25 08:23	06/12/25 16:43	1
Nickel	ND		3.0	1.0	ug/L		06/11/25 08:23	06/12/25 16:43	1
Selenium	ND		2.0	0.50	ug/L		06/11/25 08:23	06/12/25 16:43	1
Silver	ND		0.50	0.25	ug/L		06/11/25 08:23	06/12/25 16:43	1
Zinc	ND		10	5.0	ug/L		06/11/25 08:23	06/12/25 16:43	1

Lab Sample ID: LCS 280-699545/13-B
Matrix: Water
Analysis Batch: 700158

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 699621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.1		ug/L		100	89 - 111
Cadmium	40.0	39.4		ug/L		98	89 - 111
Chromium	40.0	40.1		ug/L		100	86 - 115
Copper	40.0	40.4		ug/L		101	90 - 115
Lead	40.0	40.1		ug/L		100	88 - 115
Manganese	40.0	40.1		ug/L		100	87 - 115
Nickel	40.0	40.9		ug/L		102	86 - 115
Selenium	40.0	41.4		ug/L		103	85 - 114
Silver	40.0	40.0		ug/L		100	90 - 114

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 280-699545/13-B
Matrix: Water
Analysis Batch: 700158

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 699621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	40.0	42.0		ug/L		105	88 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-699932/1-A
Matrix: Water
Analysis Batch: 700327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		06/12/25 18:51	06/13/25 01:01	1

Lab Sample ID: LCS 280-699932/2-A
Matrix: Water
Analysis Batch: 700327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.71		ug/L		94	85 - 115

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-699930/4
Matrix: Water
Analysis Batch: 699930

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0	2.0	umhos/cm			06/11/25 21:34	1

Lab Sample ID: LCS 280-699930/3
Matrix: Water
Analysis Batch: 699930

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1380		umhos/cm		98	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-699626/1
Matrix: Water
Analysis Batch: 699626

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.5	mg/L			06/10/25 11:20	1

Lab Sample ID: LCS 280-699626/2
Matrix: Water
Analysis Batch: 699626

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	460		mg/L		92	80 - 114

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 280-699523/19
Matrix: Water
Analysis Batch: 699523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	5.0	ug/L			06/09/25 17:34	1

Lab Sample ID: LCS 280-699523/17
Matrix: Water
Analysis Batch: 699523

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			100	102		ug/L		102	85 - 115		

Lab Sample ID: LCSD 280-699523/18
Matrix: Water
Analysis Batch: 699523

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			100	103		ug/L		103	85 - 115	1	20

Lab Sample ID: 280-208826-1 MS
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND		100	103		ug/L		103	85 - 115		

Lab Sample ID: 280-208826-1 MSD
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	105		ug/L		105	85 - 115	1	20

Lab Sample ID: 280-208826-1 DU
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chromium, hexavalent	ND			ND		ug/L				NC	20

Lab Sample ID: MB 280-699513/3-A
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		20	5.0	ug/L			06/09/25 17:30	1

Lab Sample ID: LCS 280-699513/1-A
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			100	104		ug/L		104	85 - 115		

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: LCSD 280-699513/2-A
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			100	103		ug/L		103	85 - 115	1	20

Lab Sample ID: 280-208826-1 MS
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND		100	105		ug/L		105	85 - 115		

Lab Sample ID: 280-208826-1 MSD
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		100	105		ug/L		105	85 - 115	1	20

Lab Sample ID: 280-208826-1 DU
Matrix: Water
Analysis Batch: 699523

Client Sample ID: OUTFALL-001
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		ug/L		NC	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-700318/28
Matrix: Water
Analysis Batch: 700318

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH adj. to 25 deg C			7.00	7.0		SU		100	99 - 101		

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-699638/11
Matrix: Water
Analysis Batch: 699638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.050	0.035	mg/L			06/10/25 11:23	1

Lab Sample ID: LCS 280-699638/9
Matrix: Water
Analysis Batch: 699638

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.500	0.527		mg/L		105	81 - 122		

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCSD 280-699638/10
Matrix: Water
Analysis Batch: 699638

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			0.500	0.541		mg/L		108	81 - 122	3	10

Metals

Filtration Batch: 699545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-699545/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-699545/13-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Filtration Batch: 699546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	

Prep Batch: 699616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total Recoverable	Water	200.7	
280-208826-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-699616/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-699616/16-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-699616/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
280-208826-1 MS	OUTFALL-001	Total Recoverable	Water	200.7	
280-208826-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	
280-208826-1 MSD	OUTFALL-001	Total Recoverable	Water	200.7	
280-208826-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	

Prep Batch: 699621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	699546
MB 280-699545/1-B	Method Blank	Potentially Dissolvec	Water	200.8	699545
LCS 280-699545/13-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	699545

Prep Batch: 699932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	245.1	
MB 280-699932/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-699932/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 700010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total Recoverable	Water	200.8	699616
MB 280-699616/1-A	Method Blank	Total Recoverable	Water	200.8	699616
LCS 280-699616/16-A	Lab Control Sample	Total Recoverable	Water	200.8	699616
280-208826-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	699616
280-208826-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	699616

Analysis Batch: 700158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	699621
MB 280-699545/1-B	Method Blank	Potentially Dissolvec	Water	200.8	699621
LCS 280-699545/13-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	699621

Analysis Batch: 700208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	699616
MB 280-699616/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	699616
LCS 280-699616/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	699616
280-208826-1 MS	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	699616

Metals (Continued)

Analysis Batch: 700208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1 MSD	OUTFALL-001	Total Recoverable	Water	200.7 Rev 4.4	699616

Analysis Batch: 700327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	245.1	699932
MB 280-699932/1-A	Method Blank	Total/NA	Water	245.1	699932
LCS 280-699932/2-A	Lab Control Sample	Total/NA	Water	245.1	699932

General Chemistry

Filtration Batch: 699513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Dissolved	Water	FILTRATION	
MB 280-699513/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-699513/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-699513/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-208826-1 MS	OUTFALL-001	Dissolved	Water	FILTRATION	
280-208826-1 MSD	OUTFALL-001	Dissolved	Water	FILTRATION	
280-208826-1 DU	OUTFALL-001	Dissolved	Water	FILTRATION	

Analysis Batch: 699523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Dissolved	Water	SM 3500 CR B	699513
280-208826-1	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
MB 280-699513/3-A	Method Blank	Dissolved	Water	SM 3500 CR B	699513
MB 280-699523/19	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 280-699513/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	699513
LCS 280-699523/17	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 280-699513/2-A	Lab Control Sample Dup	Dissolved	Water	SM 3500 CR B	699513
LCSD 280-699523/18	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
280-208826-1 MS	OUTFALL-001	Dissolved	Water	SM 3500 CR B	699513
280-208826-1 MS	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-208826-1 MSD	OUTFALL-001	Dissolved	Water	SM 3500 CR B	699513
280-208826-1 MSD	OUTFALL-001	Total/NA	Water	SM 3500 CR B	
280-208826-1 DU	OUTFALL-001	Dissolved	Water	SM 3500 CR B	699513
280-208826-1 DU	OUTFALL-001	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 699626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	SM 2540D	
MB 280-699626/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-699626/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 699638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	SM 4500 S2 D	
MB 280-699638/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-699638/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-699638/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

QC Association Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

General Chemistry

Analysis Batch: 699815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	SM4500 S2 H	

Analysis Batch: 699930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	SM 2510B	
MB 280-699930/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-699930/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 700318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Total/NA	Water	SM 4500 H+ B	
LCS 280-700318/28	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 700486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-208826-1	OUTFALL-001	Potentially Dissolvec	Water	SM3500 CR B	
280-208826-1	OUTFALL-001	Total Recoverable	Water	SM3500 CR B	

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Client Sample ID: OUTFALL-001

Date Collected: 06/09/25 13:30
Date Received: 06/09/25 15:22

Lab Sample ID: 280-208826-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	699616	06/10/25 15:19	AES	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			700208	06/12/25 19:50	NKC	EET DEN
Potentially Dissolvec	Filtration	Poten_Diss_Met			150 mL	150 mL	699546	06/09/25 22:09	SMK	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	699621	06/11/25 08:23	AES	EET DEN
Potentially Dissolvec	Analysis	200.8		1			700158	06/12/25 17:09	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	699616	06/10/25 15:19	AES	EET DEN
Total Recoverable	Analysis	200.8		1			700010	06/12/25 01:11	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	699932	06/12/25 18:51	CAF	EET DEN
Total/NA	Analysis	245.1		1			700327	06/13/25 01:33	CAF	EET DEN
Total/NA	Analysis	SM 2510B		1			699930	06/11/25 21:34	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	699626	06/10/25 11:20	YBF	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	699513	06/09/25 16:55	ABW	EET DEN
Dissolved	Analysis	SM 3500 CR B		1	2 mL	2 mL	699523	06/09/25 17:30	ABW	EET DEN
Total/NA	Analysis	SM 3500 CR B		1	2 mL	2 mL	699523	06/09/25 17:34	ABW	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			700318	06/13/25 17:32	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	699638	06/10/25 11:24	AKF	EET DEN
Potentially Dissolvec	Analysis	SM3500 CR B		1			700486	06/16/25 13:03	RMS	EET DEN
Total Recoverable	Analysis	SM3500 CR B		1			700486	06/16/25 13:03	RMS	EET DEN
Total/NA	Analysis	SM4500 S2 H		1			699815	06/11/25 11:04	SAH	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-208826-1

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	Temperature
SM3500 CR B		Water	Chromium, trivalent
SM3500 CR B		Water	Chromium, trivalent (dissolved)
SM4500 S2 H		Water	Field pH
SM4500 S2 H		Water	Field Temperature
SM4500 S2 H		Water	Specific Conductance
SM4500 S2 H		Water	Sulfide
SM4500 S2 H		Water	Un-ionized Hydrogen Sulfide

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Karen Lopez	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	Phone: 720 649 7722	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone: (303) 601-9230	PO #:			
Email: johnrinko@yahoo.com	WO #:			
Project Name: Nederland, CO	Project #: 28022821			
Site: First half of the month event	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2510B - Specific Conductance, 2540D - TSS, SM4500_H+ - pH / Temp	3500_CR_B - Total Cr6+, 3500_CR_B - Diss. Cr6+ (LAB FILTER), TR Cr 3+ (calc), & PD Cr 3+ (calc)	SM4500_S2_D - Sulfide and SM3500_S2_H - Unionized Hydrogen Sulfide (calc)		200.8 - Potentially Dissolved Metals (First half of the month permit list)	200.7 / 200.8 / 245.1 - Total Recoverable Metals and Mercury (First half of the month permit list)										Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	CB		D	D											
OUTFALL-001	06/09/25	13:30	G	W	N	N	X	X	X		X	X											5	*First half of the month potentially dissolved metals permit list = 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn)
																								*First half of the month total recoverable metals permit list = 200.7 (Fe), 200.8 (As, Cd, Cr, Cu, Pb, Zn), and 245.1 (Hg)
																								Lab - log both 3500 CR B Hexavalent Chromium method chains
																								Temp = 10
																								pH = 7.7
																								Observed visible sheen or floating oil?
																								Yes / (NO) (circle one)
																								* if oil sheen observed in discharge, sampling for oil/grease required

280-208826 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Karen Lopez	06/09/25 15:22	GIR		6-9-25 1522	EEDEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.5 IR Gun CF+0.2

Ver: 01/16/2019

6/16/2025

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-208826-1

Login Number: 208826
List Number: 1
Creator: Rystrom, Joshua R

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 7/3/2025 8:54:48 AM

JOB DESCRIPTION

Nederland, CO

JOB NUMBER

280-209766-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

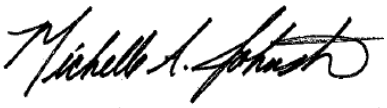
Eurofins Denver

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Michelle Johnston, Project Manager II
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Designee for
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(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-209766-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The sample was received on 6/26/2025 4:38 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.1°C.

Receipt Exceptions
The following sample was received at the laboratory outside the required temperature criteria: OUTFALL-001 (280-209766-1). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

There was not a label on the containers received. The sample collection date and time were logged per the Chain-of-Custody (COC).

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Sample OUTFALL-001 (280-209766-1) was analyzed for Metals (ICP/MS) - Potentially Dissolved. The sample was prepared on 6/30/2025 and analyzed on 7/1/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Sample OUTFALL-001 (280-209766-1) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 6/27/2025 and analyzed on 6/29/2025 and 6/30/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Client Sample ID: OUTFALL-001 — Lab Sample ID: 280-209766-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.68	J	1.0	0.50	ug/L	1		200.8	Total Recoverable
Copper	1.0	J	2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	0.50	J	1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Zinc	41		10	5.0	ug/L	1		200.8	Potentially Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-209766-1	OUTFALL-001	Water	06/26/25 02:00	06/26/25 16:38

Client Sample Results

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: OUTFALL-001
Date Collected: 06/26/25 02:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209766-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		06/27/25 15:30	06/30/25 19:10	1
Lead	**0.68**	**J**	1.0	0.50	ug/L		06/27/25 15:30	06/29/25 14:09	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: OUTFALL-001
Date Collected: 06/26/25 02:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209766-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:52	07/01/25 20:56	1
Copper	**1.0**	**J**	2.0	1.0	ug/L		06/30/25 15:52	07/01/25 20:56	1
Lead	**0.50**	**J**	1.0	0.50	ug/L		06/30/25 15:52	07/01/25 20:56	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 20:56	1
Zinc	**41**		10	5.0	ug/L		06/30/25 15:52	07/01/25 20:56	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-702312/1-A
Matrix: Water
Analysis Batch: 702573

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.50	ug/L		06/27/25 15:30	06/29/25 13:47	1

Lab Sample ID: MB 280-702312/1-A
Matrix: Water
Analysis Batch: 702751

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		06/27/25 15:30	06/30/25 19:03	1

Lab Sample ID: LCS 280-702312/2-A
Matrix: Water
Analysis Batch: 702573

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	40.0	38.4		ug/L		96	88 - 115

Lab Sample ID: LCS 280-702312/2-A
Matrix: Water
Analysis Batch: 702751

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	41.0		ug/L		103	90 - 115

Lab Sample ID: 280-209766-1 MS
Matrix: Water
Analysis Batch: 702573

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.68	J	40.0	38.9		ug/L		95	88 - 115

Lab Sample ID: 280-209766-1 MS
Matrix: Water
Analysis Batch: 702751

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	ND		40.0	40.2		ug/L		100	90 - 115

Lab Sample ID: 280-209766-1 MSD
Matrix: Water
Analysis Batch: 702573

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.68	J	40.0	39.1		ug/L		96	88 - 115	1	20

Lab Sample ID: 280-209766-1 MSD
Matrix: Water
Analysis Batch: 702751

Client Sample ID: OUTFALL-001
Prep Type: Total Recoverable
Prep Batch: 702312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	ND		40.0	41.1		ug/L		103	90 - 115	2	20

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-702435/1-B
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:52	07/01/25 19:58	1
Copper	ND		2.0	1.0	ug/L		06/30/25 15:52	07/01/25 19:58	1
Lead	ND		1.0	0.50	ug/L		06/30/25 15:52	07/01/25 19:58	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 19:58	1
Zinc	ND		10	5.0	ug/L		06/30/25 15:52	07/01/25 19:58	1

Lab Sample ID: LCS 280-702435/2-B
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	40.0	38.6		ug/L		97	89 - 111
Copper	40.0	38.9		ug/L		97	90 - 115
Lead	40.0	37.9		ug/L		95	88 - 115
Silver	40.0	38.8		ug/L		97	90 - 114
Zinc	40.0	41.2		ug/L		103	88 - 115

QC Association Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Metals

Prep Batch: 702312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Total Recoverable	Water	200.8	
MB 280-702312/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-702312/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-209766-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	
280-209766-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	

Filtration Batch: 702435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-702435/1-B	Method Blank	Potentially Dissolvec	Water	Filtration	
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolvec	Water	Filtration	

Filtration Batch: 702445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Potentially Dissolvec	Water	Poten_Diss_Met	

Prep Batch: 702447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	702445
MB 280-702435/1-B	Method Blank	Potentially Dissolvec	Water	200.8	702435
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	702435

Analysis Batch: 702573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Total Recoverable	Water	200.8	702312
MB 280-702312/1-A	Method Blank	Total Recoverable	Water	200.8	702312
LCS 280-702312/2-A	Lab Control Sample	Total Recoverable	Water	200.8	702312
280-209766-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	702312
280-209766-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	702312

Analysis Batch: 702751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Total Recoverable	Water	200.8	702312
MB 280-702312/1-A	Method Blank	Total Recoverable	Water	200.8	702312
LCS 280-702312/2-A	Lab Control Sample	Total Recoverable	Water	200.8	702312
280-209766-1 MS	OUTFALL-001	Total Recoverable	Water	200.8	702312
280-209766-1 MSD	OUTFALL-001	Total Recoverable	Water	200.8	702312

Analysis Batch: 702947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209766-1	OUTFALL-001	Potentially Dissolvec	Water	200.8	702447
MB 280-702435/1-B	Method Blank	Potentially Dissolvec	Water	200.8	702447
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolvec	Water	200.8	702447

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Client Sample ID: OUTFALL-001

Date Collected: 06/26/25 02:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209766-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Potentially Dissolvec	Filtration	Poten_Diss_Met			1.0 mL	1.0 mL	702445	06/27/25 16:01	TR	EET DEN
Potentially Dissolvec	Prep	200.8			50 mL	50 mL	702447	06/30/25 15:52	TR	EET DEN
Potentially Dissolvec	Analysis	200.8		1			702947	07/01/25 20:56	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	702312	06/27/25 15:30	TR	EET DEN
Total Recoverable	Analysis	200.8		1			702573	06/29/25 14:09	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	702312	06/27/25 15:30	TR	EET DEN
Total Recoverable	Analysis	200.8		1			702751	06/30/25 19:10	LMT	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Project/Site: Nederland, CO

Job ID: 280-209766-1

Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Karen Lopez	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: John Rinko	Phone: 720-649-7722	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page:
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Drive Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone: (303) 601-9230	PO #:			
Email: johnrinko@yahoo.com	WO #:			
Project Name: Nederland, CO	Project #: 28022821			
Site: second half of the month event	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Potentially Dissolved Metals (Second half of the month permit list)	200.8 - Total Recoverable Metals (Second half of the month permit list)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
OUTFALL-001	06/26/25	2:00	G	W	N	N	X	X	2	

*Second half of the month potentially dissolved metals permit list = 200.8 (Cd, Cu, Pb, Ag, Zn)

*Second half of the month total recoverable metals permit list = 200.8 (Cu, Pb)

Temp= 9°C
PH= 8
Observed Oil sheen?
Yes (No) (circle)
*If oil sheen observed in discharge, sampling for oil & Grease required.

280-209766 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by:			Received by: S Brewer	6/26/25 3:15pm	GIR
Relinquished by: S Brewer	Date/Time: 6/26/25 16:39	Company GIR	Received by:	Date/Time: 6/26/25	Company
Relinquished by: Karen Lopez	Date/Time: 06/26/25 15:13	Company GIR	Received by:	Date/Time: 6/26/25 1638	Company FEDEX

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: T: 8.9 CF: 0.2 IR-PARU

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-209766-1

Login Number: 209766
List Number: 1
Creator: Held, Wesley

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C SURFACE WATER ANALYTICAL RESULTS

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Brooke Molson Moran
Grand Island Resources
12567 West Cedar Road
Suite 110
Lakewood, Colorado 80228

Generated 7/3/2025 8:54:42 PM

JOB DESCRIPTION

Nederland, CO - Surface Water

JOB NUMBER

280-209765-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

myEOL

Job Notes

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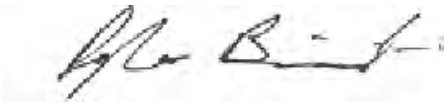
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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Authorized for release by
Dylan Bieniulis, Project Manager I
Dylan.Bieniulis@et.eurofinsus.com
(303)736-0138

Table of Contents

Definitions/Glossary

Client: Grand Island Resources
Job ID: 280-209765-1
Project/Site: Nederland, CO - Surface Water

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
280-209765-1

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

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) lower than Eurofins Environmental Testing standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

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

If potentially dissolved silver by method 200.8 is requested for samples on the chain of custody, this report contains a client specific, custom reporting limit.

Receipt
The samples were received on 6/26/2025 4:38 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 14.0°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Method 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Metals (ICP) - Total Recoverable. The samples were prepared on 6/30/2025 and analyzed on 7/1/2025.

Method 200.8 - Metals (ICP/MS) - Potentially Dissolved
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Metals (ICP/MS) - Potentially Dissolved. The samples were prepared on 6/30/2025 and analyzed on 7/1/2025.

Method 200.8 - Metals (ICP/MS) - Total Recoverable
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 6/30/2025 and analyzed on 7/1/2025.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-702320 and analytical batch 280-702947 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 245.1 - Mercury (CVAA)
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 7/2/2025.

Method SM 2510B - Conductivity, Specific Conductance
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Conductivity, Specific Conductance. The samples were analyzed on 6/27/2025.

Job ID: 280-209765-1 (Continued) Eurofins Denver

Method SM 2540D - Solids, Total Suspended (TSS)
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for Solids, Total Suspended (TSS). The samples were analyzed on 6/27/2025.

Method SM 4500 H+ B - pH
Samples 2022-01 (280-209765-1), 2022-02 (280-209765-2) and 2022-02-02 (280-209765-3) were analyzed for pH. The samples were analyzed on 7/1/2025.

Detection Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Surface Water

Job ID: 280-209765-1

Client Sample ID: 2022-01 — Lab Sample ID: 280-209765-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	370		100	40	ug/L	1		200.7 Rev 4.4	Total Recoverable
Copper	2.4		2.0	1.0	ug/L	1		200.8	Total Recoverable
Copper	2.4		2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Manganese	15		3.0	1.5	ug/L	1		200.8	Potentially Dissolved
Zinc	12		10	5.0	ug/L	1		200.8	Potentially Dissolved
Specific Conductance	62		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Suspended Solids	2.0	J	4.0	1.5	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	7.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.1	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: 2022-02 — Lab Sample ID: 280-209765-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	160		100	40	ug/L	1		200.7 Rev 4.4	Total Recoverable
Copper	3.0		2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	1.4		1.0	0.50	ug/L	1		200.8	Total Recoverable
Zinc, Total	35		10	5.0	ug/L	1		200.8	Total Recoverable
Copper	2.1		2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	1.3		1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Manganese	6.8		3.0	1.5	ug/L	1		200.8	Potentially Dissolved
Zinc	31		10	5.0	ug/L	1		200.8	Potentially Dissolved
Specific Conductance	120		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.5	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: 2022-02-02 — Lab Sample ID: 280-209765-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	140		100	40	ug/L	1		200.7 Rev 4.4	Total Recoverable
Copper	2.2		2.0	1.0	ug/L	1		200.8	Total Recoverable
Lead	1.3		1.0	0.50	ug/L	1		200.8	Total Recoverable
Zinc, Total	22		10	5.0	ug/L	1		200.8	Total Recoverable
Copper	2.3		2.0	1.0	ug/L	1		200.8	Potentially Dissolved
Lead	1.2		1.0	0.50	ug/L	1		200.8	Potentially Dissolved
Manganese	6.1		3.0	1.5	ug/L	1		200.8	Potentially Dissolved
Zinc	29		10	5.0	ug/L	1		200.8	Potentially Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Client Sample ID: 2022-02-02 (Continued)

Lab Sample ID: 280-209765-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	120		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Suspended Solids	1.6	J	4.0	1.5	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.4	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Grand Island Resources
Job ID: 280-209765-1
Project/Site: Nederland, CO - Surface Water

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN
Poten_Diss_Met	Filtration for Potentially Dissolved Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Grand Island Resources
Project/Site: Nederland, CO - Surface Water

Job ID: 280-209765-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-209765-1	2022-01	Water	06/26/25 13:30	06/26/25 16:38
280-209765-2	2022-02	Water	06/26/25 13:00	06/26/25 16:38
280-209765-3	2022-02-02	Water	06/26/25 13:00	06/26/25 16:38

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: 2022-01
Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**370**		100	40	ug/L		06/30/25 15:32	07/01/25 21:10	1

Client Sample ID: 2022-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**160**		100	40	ug/L		06/30/25 15:32	07/01/25 21:14	1

Client Sample ID: 2022-02-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**140**		100	40	ug/L		06/30/25 15:32	07/01/25 21:19	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: 2022-01
Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:32	07/01/25 22:09	1
Copper	**2.4**		2.0	1.0	ug/L		06/30/25 15:32	07/01/25 22:09	1
Lead	ND		1.0	0.50	ug/L		06/30/25 15:32	07/01/25 22:09	1
Zinc, Total	ND		10	5.0	ug/L		06/30/25 15:32	07/01/25 22:09	1

Client Sample ID: 2022-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:32	07/01/25 22:13	1
Copper	**3.0**		2.0	1.0	ug/L		06/30/25 15:32	07/01/25 22:13	1
Lead	**1.4**		1.0	0.50	ug/L		06/30/25 15:32	07/01/25 22:13	1
Zinc, Total	**35**		10	5.0	ug/L		06/30/25 15:32	07/01/25 22:13	1

Client Sample ID: 2022-02-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:32	07/01/25 22:23	1
Copper	**2.2**		2.0	1.0	ug/L		06/30/25 15:32	07/01/25 22:23	1
Lead	**1.3**		1.0	0.50	ug/L		06/30/25 15:32	07/01/25 22:23	1
Zinc, Total	**22**		10	5.0	ug/L		06/30/25 15:32	07/01/25 22:23	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved

Client Sample ID: 2022-01
Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**2.4**		2.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:00	1
Lead	ND		1.0	0.50	ug/L		06/30/25 15:52	07/01/25 21:00	1

Method: EPA 200.8 - Metals (ICP/MS) - Potentially Dissolved (Continued)

Client Sample ID: 2022-01
Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	15		3.0	1.5	ug/L		06/30/25 15:52	07/01/25 21:00	1
Nickel	ND		3.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:00	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 21:00	1
Zinc	12		10	5.0	ug/L		06/30/25 15:52	07/01/25 21:00	1

Client Sample ID: 2022-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2.1		2.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:03	1
Lead	1.3		1.0	0.50	ug/L		06/30/25 15:52	07/01/25 21:03	1
Manganese	6.8		3.0	1.5	ug/L		06/30/25 15:52	07/01/25 21:03	1
Nickel	ND		3.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:03	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 21:03	1
Zinc	31		10	5.0	ug/L		06/30/25 15:52	07/01/25 21:03	1

Client Sample ID: 2022-02-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2.3		2.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:14	1
Lead	1.2		1.0	0.50	ug/L		06/30/25 15:52	07/01/25 21:14	1
Manganese	6.1		3.0	1.5	ug/L		06/30/25 15:52	07/01/25 21:14	1
Nickel	ND		3.0	1.0	ug/L		06/30/25 15:52	07/01/25 21:14	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 21:14	1
Zinc	29		10	5.0	ug/L		06/30/25 15:52	07/01/25 21:14	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: 2022-01
Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/02/25 11:09	07/02/25 16:25	1

Client Sample ID: 2022-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/02/25 11:09	07/02/25 16:27	1

Client Sample ID: 2022-02-02
Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38
Lab Sample ID: 280-209765-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/02/25 11:09	07/02/25 16:31	1

Client: Grand Island Resources
Job ID: 280-209765-1
Project/Site: Nederland, CO - Surface Water

General Chemistry

Client Sample ID: 2022-01
Lab Sample ID: 280-209765-1
Date Collected: 06/26/25 13:30
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	62		2.0	2.0	umhos/cm			06/27/25 18:02	1
Total Suspended Solids (SM 2540D)	2.0	J	4.0	1.5	mg/L			06/27/25 11:26	1
pH adj. to 25 deg C (SM 4500 H+ B)	7.5	HF	0.1	0.1	SU			07/01/25 16:09	1
Temperature (SM 4500 H+ B)	20.1	HF	1.0	1.0	Degrees C			07/01/25 16:09	1

Client Sample ID: 2022-02
Lab Sample ID: 280-209765-2
Date Collected: 06/26/25 13:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	120		2.0	2.0	umhos/cm			06/27/25 18:02	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.5	mg/L			06/27/25 11:26	1
pH adj. to 25 deg C (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			07/01/25 16:13	1
Temperature (SM 4500 H+ B)	20.5	HF	1.0	1.0	Degrees C			07/01/25 16:13	1

Client Sample ID: 2022-02-02
Lab Sample ID: 280-209765-3
Date Collected: 06/26/25 13:00
Matrix: Water
Date Received: 06/26/25 16:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	120		2.0	2.0	umhos/cm			06/27/25 18:02	1
Total Suspended Solids (SM 2540D)	1.6	J	4.0	1.5	mg/L			06/27/25 11:26	1
pH adj. to 25 deg C (SM 4500 H+ B)	8.0	HF	0.1	0.1	SU			07/01/25 16:17	1
Temperature (SM 4500 H+ B)	20.4	HF	1.0	1.0	Degrees C			07/01/25 16:17	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 280-209625-A-3-B MS
Matrix: Water
Analysis Batch: 703038

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 702320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	340		10000	10100		ug/L		97	75 - 125

Lab Sample ID: 280-209625-A-3-C MSD
Matrix: Water
Analysis Batch: 703038

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 702320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	340		10000	10300		ug/L		99	75 - 125	2	20

Lab Sample ID: MB 280-702320/1-A
Matrix: Water
Analysis Batch: 703038

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 702320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		100	40	ug/L		06/30/25 15:32	07/02/25 11:39	1

Lab Sample ID: LCS 280-702320/2-A
Matrix: Water
Analysis Batch: 703038

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 702320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	9970		ug/L		100	85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: 280-209625-A-3-H MS
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 702320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	ND	F1	40.0	33.9	F1	ug/L		85	89 - 111
Copper	ND	F1	40.0	33.3	F1	ug/L		83	90 - 115
Lead	ND	F1	40.0	33.3	F1	ug/L		83	88 - 115
Zinc, Total	ND	F1	40.0	34.5	F1	ug/L		86	88 - 115

Lab Sample ID: 280-209625-A-3-I MSD
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 702320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	ND	F1	40.0	34.6	F1	ug/L		87	89 - 111	2	20
Copper	ND	F1	40.0	33.8	F1	ug/L		84	90 - 115	1	20
Lead	ND	F1	40.0	34.4	F1	ug/L		86	88 - 115	3	20
Zinc, Total	ND	F1	40.0	36.9		ug/L		92	88 - 115	7	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 280-702320/1-A
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 702320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.0	0.25	ug/L		06/30/25 15:32	07/01/25 21:40	1
Copper	ND		2.0	1.0	ug/L		06/30/25 15:32	07/01/25 21:40	1
Lead	ND		1.0	0.50	ug/L		06/30/25 15:32	07/01/25 21:40	1
Zinc, Total	ND		10	5.0	ug/L		06/30/25 15:32	07/01/25 21:40	1

Lab Sample ID: LCS 280-702320/23-A
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 702320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	40.0	37.9		ug/L		95	89 - 111
Copper	40.0	38.3		ug/L		96	90 - 115
Lead	40.0	37.2		ug/L		93	88 - 115
Zinc, Total	40.0	39.2		ug/L		98	88 - 115

Lab Sample ID: MB 280-702435/1-B
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Method Blank
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.0	1.0	ug/L		06/30/25 15:52	07/01/25 19:58	1
Lead	ND		1.0	0.50	ug/L		06/30/25 15:52	07/01/25 19:58	1
Manganese	ND		3.0	1.5	ug/L		06/30/25 15:52	07/01/25 19:58	1
Nickel	ND		3.0	1.0	ug/L		06/30/25 15:52	07/01/25 19:58	1
Silver	ND		0.50	0.25	ug/L		06/30/25 15:52	07/01/25 19:58	1
Zinc	ND		10	5.0	ug/L		06/30/25 15:52	07/01/25 19:58	1

Lab Sample ID: LCS 280-702435/2-B
Matrix: Water
Analysis Batch: 702947

Client Sample ID: Lab Control Sample
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	40.0	38.9		ug/L		97	90 - 115
Lead	40.0	37.9		ug/L		95	88 - 115
Manganese	40.0	41.9		ug/L		105	87 - 115
Nickel	40.0	38.4		ug/L		96	86 - 115
Silver	40.0	38.8		ug/L		97	90 - 114
Zinc	40.0	41.2		ug/L		103	88 - 115

Lab Sample ID: 280-209765-3 MS
Matrix: Water
Analysis Batch: 702947

Client Sample ID: 2022-02-02
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	2.3		40.0	40.0		ug/L		94	90 - 115
Lead	1.2		40.0	38.5		ug/L		93	88 - 115
Manganese	6.1		40.0	45.8		ug/L		99	87 - 115
Nickel	ND		40.0	36.5		ug/L		91	86 - 115
Silver	ND		40.0	38.6		ug/L		97	70 - 130

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-209765-3 MS
Matrix: Water
Analysis Batch: 702947

Client Sample ID: 2022-02-02
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	29		40.0	69.0		ug/L		100	88 - 115

Lab Sample ID: 280-209765-3 MSD
Matrix: Water
Analysis Batch: 702947

Client Sample ID: 2022-02-02
Prep Type: Potentially Dissolved
Prep Batch: 702447

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	2.3		40.0	39.3		ug/L		93	90 - 115	2	20
Lead	1.2		40.0	38.1		ug/L		92	88 - 115	1	20
Manganese	6.1		40.0	46.0		ug/L		100	87 - 115	0	20
Nickel	ND		40.0	36.1		ug/L		90	86 - 115	1	20
Silver	ND		40.0	38.2		ug/L		95	70 - 130	1	20
Zinc	29		40.0	68.5		ug/L		99	88 - 115	1	20

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-702965/1-A
Matrix: Water
Analysis Batch: 703145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702965

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.060	ug/L		07/02/25 11:09	07/02/25 15:54	1

Lab Sample ID: LCS 280-702965/2-A
Matrix: Water
Analysis Batch: 703145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702965

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.91		ug/L		98	85 - 115

Lab Sample ID: 140-42522-G-1-E MS
Matrix: Water
Analysis Batch: 703145

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 702965

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.83		5.00	5.60		ug/L		95	80 - 120

Lab Sample ID: 140-42522-G-1-F MSD
Matrix: Water
Analysis Batch: 703145

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 702965

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.83		5.00	5.60		ug/L		95	80 - 120	0	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-702433/4
Matrix: Water
Analysis Batch: 702433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0	2.0	umhos/cm			06/27/25 18:02	1

Lab Sample ID: LCS 280-702433/3
Matrix: Water
Analysis Batch: 702433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1410		umhos/cm		100	90 - 110

Lab Sample ID: 280-209600-A-1 DU
Matrix: Water
Analysis Batch: 702433

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	690		691		umhos/cm		0.1	10

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-702362/1
Matrix: Water
Analysis Batch: 702362

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.5	mg/L			06/27/25 11:26	1

Lab Sample ID: LCS 280-702362/2
Matrix: Water
Analysis Batch: 702362

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	504	437		mg/L		87	80 - 114

Lab Sample ID: 280-209663-A-2 DU
Matrix: Water
Analysis Batch: 702362

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	4.0		4.00		mg/L		0	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-702920/4
Matrix: Water
Analysis Batch: 702920

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH adj. to 25 deg C	7.00	7.0		SU		100	99 - 101

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 280-209502-I-1 DU
Client Sample ID: Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 702920

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH adj. to 25 deg C	7.5			7.5		SU				0.3	5
Temperature	21.2			20.6		Degrees C				3	10

Metals

Prep Batch: 702320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total Recoverable	Water	200.8	
280-209765-2	2022-02	Total Recoverable	Water	200.8	
280-209765-3	2022-02-02	Total Recoverable	Water	200.8	
MB 280-702320/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-702320/23-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCS 280-702320/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
280-209625-A-3-B MS	Matrix Spike	Total/NA	Water	200.8	
280-209625-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	
280-209625-A-3-H MS	Matrix Spike	Total/NA	Water	200.8	
280-209625-A-3-I MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Filtration Batch: 702435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-702435/1-B	Method Blank	Potentially Dissolved	Water	Filtration	
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolved	Water	Filtration	

Filtration Batch: 702445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Potentially Dissolved	Water	Poten_Diss_Met	
280-209765-2	2022-02	Potentially Dissolved	Water	Poten_Diss_Met	
280-209765-3	2022-02-02	Potentially Dissolved	Water	Poten_Diss_Met	
280-209765-3 MS	2022-02-02	Potentially Dissolved	Water	Poten_Diss_Met	
280-209765-3 MSD	2022-02-02	Potentially Dissolved	Water	Poten_Diss_Met	

Prep Batch: 702447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Potentially Dissolved	Water	200.8	702445
280-209765-2	2022-02	Potentially Dissolved	Water	200.8	702445
280-209765-3	2022-02-02	Potentially Dissolved	Water	200.8	702445
MB 280-702435/1-B	Method Blank	Potentially Dissolved	Water	200.8	702435
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolved	Water	200.8	702435
280-209765-3 MS	2022-02-02	Potentially Dissolved	Water	200.8	702445
280-209765-3 MSD	2022-02-02	Potentially Dissolved	Water	200.8	702445

Analysis Batch: 702947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Potentially Dissolved	Water	200.8	702447
280-209765-1	2022-01	Total Recoverable	Water	200.8	702320
280-209765-2	2022-02	Potentially Dissolved	Water	200.8	702447
280-209765-2	2022-02	Total Recoverable	Water	200.8	702320
280-209765-3	2022-02-02	Potentially Dissolved	Water	200.8	702447
280-209765-3	2022-02-02	Total Recoverable	Water	200.8	702320
MB 280-702320/1-A	Method Blank	Total Recoverable	Water	200.8	702320
MB 280-702435/1-B	Method Blank	Potentially Dissolved	Water	200.8	702447
LCS 280-702320/23-A	Lab Control Sample	Total Recoverable	Water	200.8	702320
LCS 280-702435/2-B	Lab Control Sample	Potentially Dissolved	Water	200.8	702447
280-209625-A-3-H MS	Matrix Spike	Total/NA	Water	200.8	702320
280-209625-A-3-I MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	702320
280-209765-3 MS	2022-02-02	Potentially Dissolved	Water	200.8	702447
280-209765-3 MSD	2022-02-02	Potentially Dissolved	Water	200.8	702447

Metals

Prep Batch: 702965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total/NA	Water	245.1	
280-209765-2	2022-02	Total/NA	Water	245.1	
280-209765-3	2022-02-02	Total/NA	Water	245.1	
MB 280-702965/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-702965/2-A	Lab Control Sample	Total/NA	Water	245.1	
140-42522-G-1-E MS	Matrix Spike	Total/NA	Water	245.1	
140-42522-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 703038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total Recoverable	Water	200.7 Rev 4.4	702320
280-209765-2	2022-02	Total Recoverable	Water	200.7 Rev 4.4	702320
280-209765-3	2022-02-02	Total Recoverable	Water	200.7 Rev 4.4	702320
MB 280-702320/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	702320
LCS 280-702320/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	702320
280-209625-A-3-B MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	702320
280-209625-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	702320

Analysis Batch: 703145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total/NA	Water	245.1	702965
280-209765-2	2022-02	Total/NA	Water	245.1	702965
280-209765-3	2022-02-02	Total/NA	Water	245.1	702965
MB 280-702965/1-A	Method Blank	Total/NA	Water	245.1	702965
LCS 280-702965/2-A	Lab Control Sample	Total/NA	Water	245.1	702965
140-42522-G-1-E MS	Matrix Spike	Total/NA	Water	245.1	702965
140-42522-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	702965

General Chemistry

Analysis Batch: 702362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total/NA	Water	SM 2540D	
280-209765-2	2022-02	Total/NA	Water	SM 2540D	
280-209765-3	2022-02-02	Total/NA	Water	SM 2540D	
MB 280-702362/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-702362/2	Lab Control Sample	Total/NA	Water	SM 2540D	
280-209663-A-2 DU	Duplicate	Total/NA	Water	SM 2540D	

Analysis Batch: 702433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total/NA	Water	SM 2510B	
280-209765-2	2022-02	Total/NA	Water	SM 2510B	
280-209765-3	2022-02-02	Total/NA	Water	SM 2510B	
MB 280-702433/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-702433/3	Lab Control Sample	Total/NA	Water	SM 2510B	
280-209600-A-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 702920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-1	2022-01	Total/NA	Water	SM 4500 H+ B	

General Chemistry (Continued)

Analysis Batch: 702920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-209765-2	2022-02	Total/NA	Water	SM 4500 H+ B	
280-209765-3	2022-02-02	Total/NA	Water	SM 4500 H+ B	
LCS 280-702920/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
280-209502-I-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

Client: Grand Island Resources
Project/Site: Nederland, CO - Surface Water

Job ID: 280-209765-1

Client Sample ID: 2022-01

Date Collected: 06/26/25 13:30
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209765-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			703038	07/01/25 21:10	ADL	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			1.0 mL	1.0 mL	702445	06/27/25 16:01	TR	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	702447	06/30/25 15:52	TR	EET DEN
Potentially Dissolved	Analysis	200.8		1			702947	07/01/25 21:00	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.8		1			702947	07/01/25 22:09	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	702965	07/02/25 11:09	AES	EET DEN
Total/NA	Analysis	245.1		1			703145	07/02/25 16:25	AES	EET DEN
Total/NA	Analysis	SM 2510B		1			702433	06/27/25 18:02	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	702362	06/27/25 11:26	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			702920	07/01/25 16:09	EL	EET DEN

Client Sample ID: 2022-02

Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209765-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			703038	07/01/25 21:14	ADL	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			1.0 mL	1.0 mL	702445	06/27/25 16:01	TR	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	702447	06/30/25 15:52	TR	EET DEN
Potentially Dissolved	Analysis	200.8		1			702947	07/01/25 21:03	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.8		1			702947	07/01/25 22:13	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	702965	07/02/25 11:09	AES	EET DEN
Total/NA	Analysis	245.1		1			703145	07/02/25 16:27	AES	EET DEN
Total/NA	Analysis	SM 2510B		1			702433	06/27/25 18:02	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	702362	06/27/25 11:26	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			702920	07/01/25 16:13	EL	EET DEN

Client Sample ID: 2022-02-02

Date Collected: 06/26/25 13:00
Date Received: 06/26/25 16:38

Lab Sample ID: 280-209765-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			703038	07/01/25 21:19	ADL	EET DEN
Potentially Dissolved	Filtration	Poten_Diss_Met			1.0 mL	1.0 mL	702445	06/27/25 16:02	TR	EET DEN
Potentially Dissolved	Prep	200.8			50 mL	50 mL	702447	06/30/25 15:52	TR	EET DEN
Potentially Dissolved	Analysis	200.8		1			702947	07/01/25 21:14	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	702320	06/30/25 15:32	TR	EET DEN
Total Recoverable	Analysis	200.8		1			702947	07/01/25 22:23	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	702965	07/02/25 11:09	AES	EET DEN
Total/NA	Analysis	245.1		1			703145	07/02/25 16:31	AES	EET DEN

Lab Chronicle

Client: Grand Island Resources
Job ID: 280-209765-1
Project/Site: Nederland, CO - Surface Water

Client Sample ID: 2022-02-02
Lab Sample ID: 280-209765-3
Date Collected: 06/26/25 13:00
Matrix: Water
Date Received: 06/26/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2510B		1			702433	06/27/25 18:02	EL	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	702362	06/27/25 11:26	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			702920	07/01/25 16:17	EL	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Grand Island Resources
Job ID: 280-209765-1
Project/Site: Nederland, CO - Surface Water

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025	01-08-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	Temperature

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No: 280-149712-39424.1
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Grand Island Resources	PWSID:			Job #:

Address: 12567 West Cedar Road Suite 110	Due Date Requested:
City: Lakewood	TAT Requested (days):
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No
Phone:	PO #: Purchase Order not required
Email: bmolsonm@g.emporia.edu	WO #:
Project Name: Nederland, CO - Surface Water	Project #: 28025102
Site:	SSOW#:

Analysis Requested

Preservation Codes:
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7, 200.8, 245.1	200.8 - PD Metals (SW Permit List)	2510B, SM4500_H+	2540D - TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N		
2022-01	6/25/25	13:30	G	Water			X	X	X	X		
2022-02	6/26/25	13:00	G	Water			X	X	X	X		
2022-02-02	6/26/25	13:00	G	Water			X	X	X	X		

280-209765 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: B Molson	Date/Time: 6/26/25 15:14	Company: GIR	Received by: JP Brewer	Date/Time: 6/26/25 15:15	Company: GIR
Relinquished by: JP Brewer	Date/Time: 6/26/25 16:38	Company: GIR	Received by:	Date/Time: 6/26/25 1636	Company: EEN
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No: 280-149712-39424.1
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Road Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO - Surface Water	Project #: 28025102			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7, 200.8, 245.1	200.8 - PD Metals (SW Permit List)	2510B, SM4500_H+	2540D - TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N		
2022-01	6/26/25	13:30	G	Water			X	X	X	X		
2022-02	6/26/25	13:00	G	Water			X	X	X	X		
2022-02-02	6/26/25	13:00	G	Water			X	X	X	X		

280-209765 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	B Molson	6/26/25 15:14	GIR	JP Brewer	6/26/25 15:15	GIR
2	JP Brewer	6/26/25 16:38	GIR		6/26/25 1636	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 13.8°C CF012 IRPABC

Ver: 10/10/2024

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No: 280-149712-39424.1
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Road Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO - Surface Water	Project #: 28025102			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7, 200.8, 245.1	200.8 - PD Metals (SW Permit List)	2510B, SM4500_H+	2540D - TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	N	N	X	
2022-01	6/26/25	13:30	G	Water			X	X	X	X		
2022-02	6/26/25	13:00	G	Water			X	X	X	X		
2022-02-02	6/26/25	13:00	G	Water			X	X	X	X		

280-209765 Chain of Custody

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [ ] Disposal By Lab [X] Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
B Molson	6/26/25 15:14	GIR	JP Brewer	6/26/25 15:15	GIR
JP Brewer	6/26/25 16:38	GIR		6/26/25 1636	EEN

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 13.8°C CF012 IR PAC

Login Sample Receipt Checklist

Client: Grand Island Resources

Job Number: 280-209765-1

Login Number: 209765

List Source: Eurofins Denver

List Number: 1

Creator: Swegle, Jarod M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D CHAIN OF CUSTODY (COC) FORMS

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No:
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	
Company: Grand Island Resources	PWSID:			
Address: 12567 West Cedar Road Suite 250	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80466	Compliance Project: Δ Yes Δ No			
Phone: 315-414-6986	PO #: Not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO	Project #: 28025589			
Site: Groundwater Sampling	SSOW#:			

280-209762 Chain of Custody

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/200.8 - Dissolved Metals (Grounwater Permit List) (Field Filtered)	SM4500_SO4_E - Sulfate, SM4500_Cl_E - Chloride, and 300.0 Nitrate	353.2 - Nitrate/Nitrite as N	2540C - TDS	900.0 - Gross Alpha and Gross Beta (Field Filtered) (Eurofins TestAmerica St. Louis)	901.1 - Beta/Photon Emitters + TICs (Field Filtered) (Eurofins TestAmerica St. Louis)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	N	S	N	D	D		
CROSS WELL	6/26/25	11:15	G	W			X	X	X	X	X	X		300.0 Nitrate = 48 hour hold time
COMPLIANCE WELL		11:30	G	W			X	X	X	X	X	X		* Groundwater Dissolved Metals Permit List = 200.7 (Al, B, Fe) and 200.8 (Sb, As, Ba, Cd, Cu, Pb, Mn, Mo, U, Zn)
COMPLIANCE 03		11:30	G	W			X	X	X	X	X	X		
CARIBOU WELL		12:30	G	W			X	X	X	X	X	X		FIELD FILTERED
CARIBOU WELL 02		12:30	G	W			X	X	X	X	X	X		SAMPLES IN
CROSS PORTAL		11:00	G	W			X	X	X	X	X	X		NITRIC-PRESERVED
CROSS PORTAL 02		11:00	G	W			X	X	X	X	X	X		BOTTLES.
CARIBOU PORTAL		12:00	G	W			X	X	X	X	X	X		

B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
BMoran	6/26/25 15:13	GIR	JP Brewer	6/26/25 5:14	GIR
JP Brewer	6/26/25 16:38			6/26/25 1638	EEHDV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~T: 3.8~~ CF: 0.2 IR: PABU

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BM	Lab PM: Bieniulis, Dylan T	Carrier Tracking No(s):	COC No: 280-149712-39424.1
Client Contact: Brooke Molson Moran	Phone: 303-506-1618	E-Mail: Dylan.Bieniulis@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Grand Island Resources	PWSID:			Job #:
Address: 12567 West Cedar Road Suite 110	Due Date Requested:			
City: Lakewood	TAT Requested (days):			
State, Zip: CO, 80228	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: bmolsonm@g.emporia.edu	WO #:			
Project Name: Nederland, CO - Surface Water	Project #: 28025102			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7, 200.8, 245.1	200.8 - PD Metals (SW Permit List)	2510B, SM4500_H+	2540D - TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	N		
2022-01	6/26/25	13:30	G	Water			X	X	X	X		
2022-02	6/26/25	13:00	G	Water			X	X	X	X		
2022-02-02	6/26/25	13:00	G	Water			X	X	X	X		

280-209765 Chain of Custody

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab X Archive For 1 Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
B Molson	6/26/25 15:14	GIR	JP Brewer	6/26/25 15:15	GIR
JP Brewer	6/26/25 16:38	GIR		6/26/25 1636	EEDEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 13.8°C FO12 IRBAC

APPENDIX E FIELD SHEETS

SURFACE WATER SAMPLING DATA SHEET

SWAMP Field Data Sheet (Water Chemistry & Discrete Probe) - EventType=WQ — Entered in d-base (initial/date) — Pg 1 of 1 Pgs

*StationID: 2022-01	*Date (mm/dd/yyyy): 6/26/25	*Group: n/a	*Agency: n/a
*Funding: n/a	ArrivalTime: 13:20 / DepartureTime: 13:40	*SampleTime (1st sample): 13:30	*Protocol: n/a
*Personnel: BM, KL	*Purpose (circle all that apply): (WaterChem) WaterTox (FieldObs) (FieldMeasure)	*PurposeFailure: n/a	

*Location: (Bank) Thalweg Midchannel OpenWater	*GPS/DGPS	Lat (dd.ddddd)	Long (ddd.ddddd)	OCCUPATION METHOD: (Walk-in) Bridge R/V ____ Other
GPS Device: GPS WAYPOINTS APP	Target:	39.97904	-105.57585	STARTING BANK (facing downstream): (LB) / RB / NA
Datum: NAD83 — Accuracy (ft / (m)): 1.20	*Actual:	39.978993	-105.575798	Point of Sample (if Integrated, then -88 in dbase)

Field Observations (SampleType = FieldObs)

SITE ODOR:	(None) Sulfides, Sewage, Petroleum, Mixed, Other	WADEABILITY: (Y) / N / Unk	BEAUFORT SCALE (see attachment): 2
		DISTANCE FROM BANK ~~(m)~~: 10.5"	STREAM WIDTH ~~(m)~~: 17'9" / WATER DEPTH ~~(m)~~: 1'1"
SKY CODE:	(Clear) Partly Cloudy, Overcast, Fog	WIND DIRECTION (from): SE	HYDROMODIFICATION: (None) Bridge, Pipes, ConcreteChannel, GradeControl, Culvert, AerialZipline, Other — LOCATION (to sample): US / DS / (WI)
OTHERPRESENCE:	Vascular, Nonvascular, OilySheen, Foam, Trash, Other none		PHOTOS (RB & LB assigned when facing downstream; RENAME to StationCode_yyyy_mm_dd_uniquecode): 1: (RB / LB / BB / US / DS / ##) 2022-01_A
DOMINANTSUBSTRATE:	Bedrock, Concrete, Cobble, (Gravel) Sand, Mud, Unk, Other		
WATERCLARITY:	(Clear) (see bottom), Cloudy (>4" vis), Murky (<4" vis)	PRECIPITATION: None, Fog, Drizzle, Rain, Snow	2: (RB / LB / BB / US / DS / ##) 2022-01_B
WATERODOR:	(None) Sulfides, Sewage, Petroleum, Mixed, Other	PRECIPITATION (last 24 hrs): Unknown, <1", >1", (None)	
WATERCOLOR:	(Colorless) Green, Yellow, Brown		3: (RB / LB / BB / US / DS / ##) 2022-01_C
OBSERVED FLOW:	NA, Dry Waterbody Bed, No Obs Flow, Isolated Pool, Trickle (<0.1cfs), (0.1-1cfs), 1-5cfs, 5-20cfs, 20-50cfs, 50-200cfs, >200cfs		

Field Measurements (SampleType = FieldMeasure; Method = Field)

	DepthCollec ~~(m)~~	Velocity (fps)	Air Temp ~~(°C)~~ F	Water Temp (°C)	pH	O_2 (mg/L)	O_2 (%)	Specific Conductivity (uS/cm)	Salinity (ppt)	Turbidity (ntu)	Stage Ht (units ____)		
SUBSURF/MID/ BOTTOM/REP	1"	0.499	68°	14.2	7.9	n/a	n/a	0	n/a	2.5	n/a		
SUBSURF/MID/ BOTTOM/REP													
SUBSURF/MID/ BOTTOM/REP													
Instrument:	n/a	n/a	Ambient	Oakton	Oakton	n/a	n/a	Bluelab	n/a	Newtry	n/a		
Calib. Date:	n/a	n/a	n/a	n/a	6/26	n/a	n/a	n/a	n/a	n/a	n/a		

Samples Taken (# of containers filled) - Method=Water_Grab — Field Dup YES / (NO): (SampleType = Grab / Integrated; LABEL_ID = FieldQA; create collection record upon data entry

SAMPLE TYPE: (Grab) / Integrated — COLLECTION EQUIPMENT: Indiv bottle (by hand, by pole, by bucket); Teflon tubing; Kemmer; Pole & Beaker; Other disposable cup

	DepthCollec ~~(m)~~	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved Metals	Organics	Toxicity	VOAs
Sub/Surface	1"	n/a	n/a	n/a	1	n/a	1	n/a	1	1	n/a	n/a	n/a
Sub/Surface													

COMMENTS:

Run: — Sample Processing Date:

Sample ID #:

Site Code:

PLEASE REFER TO LAB REPORT

Yellow +	# Small Wells	
	# Large Wells	
	Empty Wells	
	MPN	
Yellow + Fluorescence (+)	# Small Wells	
	# Large Wells	
	False Positives	
	MPN	

Temp/Time — Start — 4Hr. Check — 14 Hr. Check — 18 Hr. Check — 22 Hr. Check, if needed

	FIELD DUPLICATES				LAB DUPLICATES			
	Normal Sample # / Duplicate Sample #				Normal Sample # / Duplicate Sample #			
		MPN	95% CI Lower	Upper		MPN	95% CI Lower	Upper
TOTAL COLIFORM	Normal				Normal			
	Duplicate				Duplicate			
	Mean		Pass	Needs Review	Mean		Pass	Needs Review
E. COLI	Normal				Normal			
	Duplicate				Duplicate			
	Mean		Pass	Needs Review	Mean		Pass	Needs Review
BLANKS	Field Sample #		Pass	Needs Review	Lab Sample #		Pass	Needs Review

Mean = Mean of Normal and Duplicate, which is then compared to the individual corresponding CI's to determine acceptability of data

Sampler Signature / Date / Time Arrived: — Placed in Incubator By / Date / Time: — Trays Read By:

Processor / Date / Time: — Pulled from Incubator By / Date / Time: — Entered into database:

NOTES:

Brooke Moran 6/26/25

SURFACE WATER SAMPLING DATA SHEET

SWAMP Field Data Sheet (Water Chemistry & Discrete Probe) - EventType=WQ | Entered in d-base (initial/date) | Pg 1 of 1 Pgs

*StationID: 2022-02	*Date (mm/dd/yyyy): 6 / 26 / 25	*Group: n/a	*Agency: n/a
*Funding: n/a	ArrivalTime: 12:40 DepartureTime: 13:10	*SampleTime (1st sample): 13:00	*Protocol: n/a
*Personnel: BM/KL	*Purpose (circle all that apply): WaterChem, WaterTox, FieldObs, FieldMeasure	*PurposeFailure: n/a	

*Location: Bank, Thalweg, Midchannel, OpenWater	*GPS/DGPS	Lat (dd.ddddd)	Long (ddd.ddddd)	OCCUPATION METHOD: Walk-in, Bridge, R/V ____ Other
GPS Device: GPS WAYPOINTS APP	Target:	39.975787	-105.569328	STARTING BANK (facing downstream): LB / RB / NA
Datum: NAD83 Accuracy (ft/m): 1.40	*Actual:	39.975873	-105.569305	Point of Sample (if Integrated, then -88 in dbase)

Field Observations (SampleType = FieldObs)

SITE ODOR:	None, Sulfides, Sewage, Petroleum, Mixed, Other
SKY CODE:	Clear, Partly Cloudy, Overcast, Fog
OTHERPRESENCE:	Vascular, Nonvascular, OilySheen, Foam, Trash, Other none
DOMINANTSUBSTRATE:	Bedrock, Concrete, Cobble, Gravel, Sand, Mud, Unk, Other
WATERCLARITY:	Clear (see bottom), Cloudy (>4" vis), Murky (<4" vis)
WATERODOR:	None, Sulfides, Sewage, Petroleum, Mixed, Other
WATERCOLOR:	Colorless, Green, Yellow, Brown
OBSERVED FLOW:	NA, Dry Waterbody Bed, No Obs Flow, Isolated Pool, Trickle (<0.1cfs), 0.1-1cfs, 1-5cfs, 5-20cfs, 20-50cfs, 50-200cfs, >200cfs

WADEABILITY: Y / N / Unk — BEAUFORT SCALE (see attachment): 3 — DISTANCE FROM BANK (m): 1' 0.5" — STREAM WIDTH (m): 2' 1" — WATER DEPTH (m): 6.5"

WIND DIRECTION (from): E

HYDROMODIFICATION: None, Bridge, Pipes, ConcreteChannel, GradeControl, Culvert, AerialZipline, Other — LOCATION (to sample): US / DS / WI

PRECIPITATION: None, Fog, Drizzle, Rain, Snow

PRECIPITATION (last 24 hrs): Unknown, <1", >1", None

PHOTOS (RB & LB assigned when facing downstream; RENAME to StationCode_yyyy_mm_dd_uniquecode):
1: (RB / LB / BB / US / DS / ##) 2022-02-A
2: (RB / LB / BB / US / DS / ##) 2022-02-B
3: (RB / LB / BB / US / DS / ##) 2022-02-C

Field Measurements (SampleType = FieldMeasure; Method = Field)

	DepthCollec (m)	Velocity (fps)	Air Temp (°F)	Water Temp (°C)	pH	O_2 (mg/L)	O_2 (%)	Specific Conductivity (uS/cm)	Salinity (ppt)	Turbidity (ntu)	Stage Ht (units ___)		
SUBSURF/MID/BOTTOM/REP	1"	1.182	67°	13.1°	8.2	n/a	n/a	0.1	n/a	2.0	n/a		
SUBSURF/MID/BOTTOM/REP													
SUBSURF/MID/BOTTOM/REP													
Instrument:	n/a	n/a	Ambient	Oakton	Oakton	n/a	n/a	Bluelab	n/a	Newtry	n/a		
Calib. Date:	n/a	n/a	n/a	n/a	6/26	n/a	n/a	n/a	n/a	n/a	n/a		

Samples Taken (# of containers filled) - Method=Water_Grab — Field Dup YES / NO: (SampleType = Grab / Integrated; LABEL_ID = FieldQA; create collection record upon data entry

SAMPLE TYPE: Grab / Integrated — COLLECTION EQUIPMENT: Indiv bottle (by hand, by pole, by bucket); Teflon tubing; Kemmer; Pole & Beaker; Other disposable cup

	DepthCollec (m)	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved Metals	Organics	Toxicity	VOAs
Sub/Surface	1"	n/a	n/a	n/a	1	n/a	1	n/a	1	1	n/a	n/a	n/a
Sub/Surface													

COMMENTS:

Run: — Sample Processing Date:

Sample ID #:

Site Code:

PLEASE REFER TO LAB REPORT

Yellow +	# Small Wells	
	# Large Wells	
	Empty Wells	
	MPN	
Yellow + Fluorescence (+)	# Small Wells	
	# Large Wells	
	False Positives	
	MPN	

Temp/Time: Start — 4Hr. Check — 14 Hr. Check — 18 Hr. Check — 22 Hr. Check, if needed

	FIELD DUPLICATES				LAB DUPLICATES			
	Normal Sample # / Duplicate Sample #	MPN	95% CI Lower	Upper	Normal Sample # / Duplicate Sample #	MPN	95% CI Lower	Upper
TOTAL COLIFORM	Normal				Normal			
	Duplicate				Duplicate			
	Mean		Pass	Needs Review	Mean		Pass	Needs Review
E. COLI	Normal				Normal			
	Duplicate				Duplicate			
	Mean		Pass	Needs Review	Mean		Pass	Needs Review
BLANKS	Field Sample #		Pass	Needs Review	Lab Sample #		Pass	Needs Review

Mean = Mean of Normal and Duplicate, which is then compared to the individual corresponding CI's to determine acceptability of data.

Sampler Signature / Date / Time Arrived: — Placed in Incubator By / Date / Time: — Trays Read By:

Processor / Date / Time: — Pulled from Incubator By / Date / Time: — Entered into database:

NOTES:

Brooke Moran 6/26/25

GROUND WATER SAMPLING DATA SHEET

IDENTIFICATION Project Number:

Sample Location CROSS WELL Date 6/26/25 Start Time 9:45 Stop time 11:30 Page 1 of 1

Sample Control Number n/a Samplers BM

WEATHER CONDITIONS

Ambient Air Temperature: 63.1° °C☐ °F☐ Not Measured ☐ **Wind:** Heavy☐ Moderate☐ Light☒

Precipitation: None☒ Rain☐ Snow☐ Heavy☐ Moderate☐ Light☐ Sunny☒ Partly Cloudy☐

INITIAL WELL MEASUREMENTS (Measurements in feet made from top of well casing)

Static Water Level -19 Total Depth 205 Top of Screen 15 Filter Pack Interval n/a Borehole Diameter(inches) 9" (0-40 ft) 5 7/8" (40-205 ft)

2-inch = 0.1632 gal/ft 4-inch = 0.6528 gal/ft 6-inch = 1.4688 gal/ft Casing Volume: 208 gallons

Well Casing ID n/a Well Casing OD * Protective Casing Stickup n/a Well Casing Stickup 1.2 Feet of Water n/a

Well purged with: WELL PUMP

FINAL WELL MEASUREMENTS

Static Water Level -19 Total Depth 205 Total Volume Purged 624 Saturated Borehole Volume (gal) 302 Max Pumping Rate n/a

INSTRUMENT CALIBRATION

pH Meter: Meter Number OAKTON01

Buffer 7 Measured Value 7.0 Temp. 14.1 °C

Buffer 4 Measured Value 4.0 Temp. 14.1 °C

Conductivity Meter: Meter Number CM1-2104-01479

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Turbidity Meter: Newby Standard n/a NTU Measured Value n/a NTU Standard n/a NTU Measured Value n/a NTU

FIELD PARAMETER MEASUREMENTS DURING PURGING

Time	Volume (gallons)	pH	Cond. (µS/cm)	Temp. °C☒ °F☐	Turbidity Visual Est.☐ Measured☒	Comments
9:45	0	7.7	0.3	12.9°	5.1	
11:15	624	7.3	0.2	8.0°	2.4	SAMPLES COLLECTED WITH DISPOSABLE CUPS
						FIELD-FILTERED FOR RADIONUCLIDES & METALS

FINAL SAMPLE PARAMETERS

Sample Date	Sample Time	Discharge cfs☐ gpm☒	pH	Cond. (µS/cm)	Temp. (°C)	Turbidity Visual Est.☐ Measured☒		
6/26/25	11:15	7.0	7.3	0.2	8.0	2.4		

Duplicate Sample-02 (sample control number/time n/a)

Field Blank-03 (sample control number/time n/a)

Rinsate Sample-04 (sample control number/time n/a)

Matrix Spike-MS (sample control number/time n/a)

_____ (sample control number/time n/a)

QAQC INFO AVAILABLE IN LAB REPORT

Notes: SAMPLED VIA PORT. * 6 5/8" (-1-40 ft) & 4 1/2" (15-205 ft)

Sampler's Signature Brooke Moran 6/26/25

GROUND WATER SAMPLING DATA SHEET

IDENTIFICATION Project Number:

Sample Location COMPLIANCE WELL Date 6/26/25 Start Time 10:25 Stop time 11:40 Page 1 of 1

Sample Control Number n/a Samplers BM

WEATHER CONDITIONS

Ambient Air Temperature: 63.3° °C☐ °F☒ Not Measured ☐ **Wind:** Heavy☐ Moderate☐ Light☒

Precipitation: None☒ Rain☐ Snow☐ Heavy☐ Moderate☐ Light☐ Sunny☒ Partly Cloudy☐

INITIAL WELL MEASUREMENTS (Measurements in feet made from top of well casing)

Static Water Level 37 Total Depth 165 Top of Screen 65 Filter Pack Interval n/a Borehole Diameter(inches) 9" (0-50 ft) 6" (50-165 ft)

2-inch = 0.1632 gal/ft 4-inch = 0.6528 gal/ft 6-inch = 1.4688 gal/ft Casing Volume: 185 gallons

Well Casing ID n/a Well Casing OD * Protective Casing Stickup n/a Well Casing Stickup 1.0 Feet of Water n/a

Well purged with: WELL PUMP

FINAL WELL MEASUREMENTS

Static Water Level 37 Total Depth 165 Total Volume Purged 554 Saturated Borehole Volume (gal) 188 Max Pumping Rate n/a

INSTRUMENT CALIBRATION

pH Meter: Meter Number OAKTON01

Buffer 7 Measured Value 7.0 Temp. 14.1 °C

Buffer 4 Measured Value 4.0 Temp. 14.1 °C

Conductivity Meter: Meter Number CM1-2104-01479

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Turbidity Meter: Hatch Standard n/a NTU Measured Value n/a NTU Standard n/a NTU Measured Value n/a NTU

FIELD PARAMETER MEASUREMENTS DURING PURGING

Time	Volume (gallons)	pH	Cond. (µS/cm)	Temp. °C☒ °F☐	Turbidity Visual Est.☐ Measured☒	Comments
10:25	0	7.5	0.3	8.3°	0.9	
11:30	554	7.8	0.2	6.6°	3.0	SAMPLES COLLECTED WITH DISPOSABLE CUPS
						FIELD-FILTERED FOR RADIONUCLIDES & METALS

FINAL SAMPLE PARAMETERS

Sample Date	Sample Time	Discharge cfs☐ gpm☒	pH	Cond. (µS/cm)	Temp. (°C)	Turbidity Visual Est.☐ Measured☒		
6/26/25	11:30	10.4	7.8	0.2	6.6°	3.0		

Duplicate Sample-02 (sample control number/time n/a)

Field Blank-03 (sample control number/time COMPLIANCE WELL03)

Rinsate Sample-04 (sample control number/time n/a)

Matrix Spike-MS (sample control number/time n/a)

_____ (sample control number/time n/a)

QAQC INFO AVAILABLE IN LAB REPORT

Notes: SAMPLED AT WELL. * 6 5/8" (-1-50 ft) & 4 1/2" (15-165 ft)

Sampler's Signature

Brooke Moran 6/26/25

GROUND WATER SAMPLING DATA SHEET 6/25/25

IDENTIFICATION

Sample Location CARIBOU WELL Date 6/26/25 Start Time 12:30 Stop time 12:40 Project Number: Page 1 of

Sample Control Number n/a Samplers BM, JPB - purging

WEATHER CONDITIONS

Ambient Air Temperature: 63.3° °C☐ °F☐ Not Measured ☐ Wind: Heavy☐ Moderate☐ Light☒

Precipitation: None☒ Rain☐ Snow☐ Heavy☐ Moderate☐ Light☐ Sunny☒ Partly Cloudy☐

INITIAL WELL MEASUREMENTS (Measurements in feet made from top of well casing)

Static Water Level -26 Total Depth 165 Top of Screen 25 Filter Pack Interval n/a Borehole Diameter(inches) 9" (0-26 ft) 6" (26-165ft)

2-inch = 0.1632 gal/ft 4-inch = 0.6528 gal/ft 6-inch = 1.4688 gal/ft Casing Volume: 161 gallons

Well Casing ID n/a Well Casing OD * Protective Casing Stickup n/a Well Casing Stickup 2.4 Feet of Water n/a

Well purged with: WELL PUMP

FINAL WELL MEASUREMENTS

Static Water Level -26 Total Depth 165 Total Volume Purged 10,800 gal Saturated Borehole Volume (gal) 204 Max Pumping Rate n/a

INSTRUMENT CALIBRATION

pH Meter: Meter Number OAKTON01

Buffer 7 Measured Value 7.0 Temp. 14.1 °C

Buffer 4 Measured Value 4.0 Temp. 14.1 °C

Conductivity Meter: Meter Number CM1-2104-01479

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Turbidity Meter: Newtr Standard n/a NTU Measured Value n/a NTU Standard n/a NTU Measured Value n/a NTU

FIELD PARAMETER MEASUREMENTS DURING PURGING

Time	Volume (gallons)	pH	Cond. (µS/cm)	Temp. °C☒ °F☐	Turbidity Visual Est.☐ Measured☐	Comments
6/25/25 12:30	0	6.8	0.1	13.8°	2.5	
13:30	600	6.6	0.2	7.7°	2.4	SAMPLES COLLECTED
15:30	1800	6.6	0.2	8.1°	3.9	WITH DISPOSABLE CUPS
16:30	2400	6.7	0.1	7.7°	1.7	
18:30	3600	6.6	0.2	7.8°	3.6	
6/26/25 6:30	7200	6.6	0.1	7.7°	3.0	FIELD-FILTERED FOR
12:20	10,700	6.6	0.1	7.7°	3.2	RADIONUCLIDES &
12:30	10,800	6.6	0.2	6.0°	2.7	METALS

FINAL SAMPLE PARAMETERS

Sample Date	Sample Time	Discharge cfs☐ gpm☒	pH	Cond. (µS/cm)	Temp. (°C)	Turbidity Visual Est.☐ Measured☒		
6/26/25	12:30	10.0	6.6	0.2	6.0	2.7		

Duplicate Sample-02 (sample control number/time CARIBOU WELL 02)

Field Blank-03 (sample control number/time n/a)

Rinsate Sample-04 (sample control number/time n/a)

Matrix Spike-MS (sample control number/time n/a)

_____ (sample control number/time n/a)

QAQC INFO AVAILABLE IN LAB REPORT

Notes: SAMPLED VIA PORT. *6 5/8" (-1-26 ft) & 4 1/2" (15-165 ft)

Sampler's Signature Blake Moran 6/26/25

GROUND WATER SAMPLING DATA SHEET

IDENTIFICATION

Sample Location CROSS PORTAL Date 6/26/25 Start Time 10:50 Stop time 11:10 Project Number: Page 1 of 1

Sample Control Number n/a Samplers BM

WEATHER CONDITIONS

Ambient Air Temperature: _____ °C☐ °F☐ Not Measured ☐ **Wind:** Heavy☐ Moderate☐ Light☐

Precipitation: None☐ Rain☐ Snow☐ Heavy☐ Moderate☐ Light☐ Sunny☐ Partly Cloudy☐

INITIAL WELL MEASUREMENTS (Measurements in feet made from top of well casing)

Static Water Level____ Total Depth____Top of Screen____ Filter Pack Interval_____ Borehole Diameter(inches)

2-inch = 0.1632 gal/ft 4-inch = 0.6528 gal/ft 6-inch = 1.4688 gal/ft Casing Volume:_____ gallons

Well Casing ID____ Well Casing OD____ Protective Casing Stickup___ Well Casing Stickup___ Feet of Water

Well purged with: _____

FINAL WELL MEASUREMENTS

Static Water Level__ Total Depth__ Total Volume Purged__ Saturated Borehole Volume (gal)___ Max Pumping Rate

INSTRUMENT CALIBRATION

pH Meter: Meter Number OAKTON01

Buffer 7 Measured Value 7.0 Temp. 14.1 °C

Buffer 4 Measured Value 4.0 Temp. 14.1 °C

Conductivity Meter: Meter Number CM1-2104-01479

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Turbidity Meter: Neutry Standard n/a NTU Measured Value n/a NTU Standard n/a NTU Measured Value n/a NTU

FIELD PARAMETER MEASUREMENTS DURING PURGING

Time	Volume (gallons)	pH	Cond. (µS/cm)	Temp. °C☑ °F☐	Turbidity Visual Est.☐ Measured☑	Comments
11:00	n/a	8.3	0.2	6.1°	11.4	
						SAMPLES COLLECTED
						WITH DISPOSABLE CUP
						FIELD-FILTERED FOR
						RADIONUCLIDES &
						METALS

FINAL SAMPLE PARAMETERS

Sample Date	Sample Time	Discharge cfs☐ gpm☐	pH	Cond. (µS/cm)	Temp. (°C)	Turbidity Visual Est.☐ Measured☑		
6/26/25	11:00	n/a	8.3	0.2	6.1	11.4		

Duplicate Sample-02 (sample control number/time CROSS PORTAL 02)

Field Blank-03 (sample control number/time n/a)

Rinsate Sample-04 (sample control number/time n/a)

Matrix Spike-MS (sample control number/time n/a)

_____ (sample control number/time n/a)

QAQC INFO AVAILABLE IN LAB REPORT

Notes:

Sampler's Signature Brooke Moran 6/26/25

GROUND WATER SAMPLING DATA SHEET

IDENTIFICATION

Sample Location CARIBOU PORTAL Date 6/26/25 Start Time 11:50 Stop time 12:10 Page 1 of 1 Project Number: n/a

Sample Control Number n/a Samplers BM

WEATHER CONDITIONS

Ambient Air Temperature: _____ °C☐ °F☐ Not Measured ☐ **Wind:** Heavy☐ Moderate☐ Light☐

Precipitation: None☐ Rain☐ Snow☐ Heavy☐ Moderate☐ Light☐ Sunny☐ Partly Cloudy☐

INITIAL WELL MEASUREMENTS (Measurements in feet made from top of well casing)

Static Water Level____ Total Depth____Top of Screen____ Filter Pack Interval_____ Borehole Diameter(inches)

2-inch = 0.1632 gal/ft 4-inch = 0.6528 gal/ft 6-inch = 1.4688 gal/ft Casing Volume:_____ gallons

Well Casing ID____ Well Casing OD____ Protective Casing Stickup___ Well Casing Stickup___ Feet of Water

Well purged with: _____

FINAL WELL MEASUREMENTS

Static Water Level__ Total Depth__ Total Volume Purged__ Saturated Borehole Volume (gal)___ Max Pumping Rate

INSTRUMENT CALIBRATION

pH Meter: Meter Number OAKTON01

Buffer 7 Measured Value 7.0 Temp. 14 °C

Buffer 4 Measured Value 4.0 Temp. 14 °C

Conductivity Meter: Meter Number CM1-2104-01479

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Standard 0.447 mS/cm Measured Value 0.5 mS/cm Temp. 14 °C

Turbidity Meter: Hatch Standard n/a NTU Measured Value n/a NTU Standard n/a NTU Measured Value n/a NTU

FIELD PARAMETER MEASUREMENTS DURING PURGING

Time	Volume (gallons)	pH	Cond. (µS/cm)	Temp. °C☑ °F☐	Turbidity Visual Est.☐ Measured☑	Comments
12:00	n/a	8.4	0.4	4.0°	4.8	
						SAMPLES COLLECTED
						WITH DISPOSABLE CUP
						FIELD-FILTERED FOR
						RADIONUCLIDES &
						METALS

FINAL SAMPLE PARAMETERS

Sample Date	Sample Time	Discharge cfs☐ gpm☐	pH	Cond. (µS/cm)	Temp. (°C)	Turbidity Visual Est.☐ Measured☑		
6/26/25	12:00	n/a	8.4	0.4	4.0°	4.8		

Duplicate Sample-02 (sample control number/time n/a)

Field Blank-03 (sample control number/time n/a)

Rinsate Sample-04 (sample control number/time n/a)

Matrix Spike-MS (sample control number/time n/a)

_____ (sample control number/time n/a)

QAQC INFO AVAILABLE IN LAB REPORT

Notes:

Sampler's Signature Brooke Moran 6/26/25

APPENDIX F PHOTOGRAPHS

APPENDIX F.1 SAMPLE LOCATION 2022-01 PHOTOGRAPHS

APPENDIX F.2 SAMPLE LOCATION 2022-02 PHOTOGRAPHS